

1. **14 6 4 4 8 ?**  
A. 26  
B. 32  
C. 46  
D. 27  
E. None of these

Answer & Explanation

Answer – **B. 32**

**Explanation :**

$$14 * 1 - 8 = 6$$

$$6 * 2 - 8 = 4$$

$$4 * 3 - 8 = 4$$

2. **6 16 45 184 917 ?**  
A. 5506  
B. 4756  
C. 5786  
D. 5686  
E. None of these

Answer & Explanation

Answer – **A. 5506**

**Explanation :**

$$6 * 2 + 4 = 16$$

$$16 * 3 - 3 = 45$$

$$45 * 4 + 4 = 184....$$

3. **24 28 19 35 10 ?**  
A. 46  
B. 56  
C. 66  
D. 65  
E. None of these

Answer & Explanation

Answer – **A. 46**

**Explanation :**

$$24 + 4 = 28$$

$$28 - 9 = 19$$

$$19 + 16 = 35.....$$

4. **15 22 36 64 ? 232**  
A. 120  
B. 140  
C. 180  
D. 150  
E. None of these

Answer & Explanation

Answer – **A. 120**

**Explanation :**

$$22 - 15 = 7$$

$$36 - 22 = 14$$

$$64 - 36 = 28 \dots$$

5. **19 23 14 30 5 ?**  
A. 45  
B. 41  
C. 51  
D. 35  
E. None of these

Answer & Explanation

Answer – **B. 41**

**Explanation :**

$$19 + 2^2 = 23$$

$$23 - 3^2 = 14$$

$$14 + 4^2 = 30 \dots$$

6. **12, 8, 16, 48, 184, ?**  
A. 560  
B. 420  
C. 860  
D. 550  
E. None of these

Answer & Explanation

Answer – **C. 860**

**Explanation :**

$$12 * 0.5 + 2 = 8$$

$$8 * 1.5 + 4 = 16$$

$$16 * 2.5 + 8 = 48 \dots$$

7. **12 19 33 61 ? 229**

- A. 117
- B. 113
- C. 107
- D. 163
- E. None of these

Answer & Explanation

Answer – **A. 117**

**Explanation :**

$$19 - 12 = 7$$

$$33 - 19 = 14$$

$$61 - 33 = 28 \dots\dots$$

8. **18, 8, 6, 8, 22 ?**

- A. 125
- B. 100
- C. 150
- D. 145
- E. None of these

Answer & Explanation

Answer – **B. 100**

**Explanation :**

$$18 * 1 - 10 = 8; 8 * 2 - 10 = 6; 6 * 3 - 10 = 8 \dots$$

9. **5 12 33 136 675 ?**

- A. 3850
- B. 3950
- C. 3460
- D. 4056
- E. None of these

Answer & Explanation

Answer – **D. 4056**

**Explanation :**

$$5 * 2 + 2 = 12$$

$$12 * 3 - 3 = 33$$

$$33 * 4 + 4 = 136$$

$$136 * 5 - 5 = 675 \dots$$

10. **20, 10, 12, 24, 75, ?**

- A. 320.5

- B. 325.5
- C. 330.5
- D. 335.5
- E. None of these

Answer & Explanation

Answer – **B. 325.5**

**Explanation :**

$$20 * 0.5 - 0 = 10$$

$$10 * 1.5 - 3 = 12$$

$$12 * 2.5 - 6 = 24$$

$$24 * 3.5 - 9 = 75$$

1. **12 19 35 59 90 ?**
- A. 126
  - B. 132
  - C. 146
  - D. 127
  - E. None of these

Answer & Explanation

Answer – **D. 127**

**Explanation :**

$$19 - 12 = 7$$

$$35 - 19 = 16$$

$$59 - 35 = 24 \quad 16 - 7 = 9; 24 - 16 = 8.....$$

2. **4 10 27 112 555 ?**
- A. 3336
  - B. 4756
  - C. 3786
  - D. 3686
  - E. None of these

Answer & Explanation

Answer – **A. 3336**

**Explanation :**

$$4 * 2 + 2 = 10$$

$$10 * 3 - 3 = 27$$

$$27 * 4 + 4 = 112.....$$

3. **6,14,45,184,925 ?**
- A. 4596

- B. 5556
- C. 6756
- D. 6556
- E. None of these

Answer & Explanation

Answer – **B. 5556**

**Explanation :**

$$6 * 2 + 2 = 14$$

$$14 * 3 + 3 = 45$$

$$45 * 4 + 4 = 184.....$$

4. **11,20,38,74,?**
- A. 146
  - B. 164
  - C. 182
  - D. 150
  - E. None of these

Answer & Explanation

Answer – **A. 146**

**Explanation :**

$$20 - 11 = 9$$

$$38 - 20 = 18$$

$$74 - 38 = 36.....$$

5. **15,21,38,65,101 ?**
- A. 145
  - B. 150
  - C. 155
  - D. 130
  - E. None of these

Answer & Explanation

Answer – **A. 145**

**Explanation :**

$$21 - 15 = 6$$

$$38 - 21 = 17$$

$$65 - 38 = 27 \quad 17-6 = 11; 27-17 = 10.....$$

6. **13 21 37 69 ? 261**
- A. 156
  - B. 133

- C. 163
- D. 173
- E. None of these

Answer & Explanation

Answer – **B. 133**

**Explanation :**

$$21 - 13 = 8$$

$$37 - 21 = 16$$

$$69 - 37 = 32 \dots\dots$$

7. **18 23 36 56 82 ?**

- A. 117
- B. 113
- C. 107
- D. 163
- E. None of these

Answer & Explanation

Answer – **B. 113**

**Explanation :**

$$23 - 18 = 5$$

$$36 - 23 = 13$$

$$56 - 36 = 20 \quad 13 - 5 = 8; 20 - 13 = 7 \dots\dots$$

8. **25, 29, 20, 36, 11 ?**

- A. 47
- B. 57
- C. 67
- D. 37
- E. None of these

Answer & Explanation

Answer – **A. 47**

**Explanation :**

$$25 + 4 = 29, 29 - 20 = 9, 20 + 16 = 36, 36 - 25 = 11, 11 + 36 = 47..$$

9. **6 14 39 160 795 ?**

- A. 4776
- B. 4263
- C. 4463
- D. 4564
- E. None of these

Answer & Explanation

Answer – **A. 4776**

**Explanation :**

$$6 * 2 + 2 = 14$$

$$14 * 3 - 3 = 39$$

$$39 * 4 + 4 = 160$$

$$160 * 5 - 5 = 795....$$

10. **22 10 8 12 40 ?**

A. 304

B. 634

C. 264

D. 164

E. None of these

Answer & Explanation

Answer – **A. 304**

**Explanation :**

$$22 * 0.5 - 1 = 10$$

$$10 * 1 - 2 = 8$$

$$8 * 2 - 4 = 12$$

$$12 * 4 - 8 = 40$$

1. **5 4 10 27 ? 555**

A. 126

B. 132

C. 146

D. 112

E. None of these

Answer & Explanation

Answer – **D. 112**

**Explanation :**

$$5 * 1 - 1 = 4$$

$$4 * 2 + 2 = 10$$

$$10 * 3 - 3 = 27$$

$$27 * 4 + 4 = 112.....$$

2. **3 5 11 61 419 ?**

A. 3751

B. 4751

C. 3781

- D. 3681
- E. None of these

Answer & Explanation

Answer – **C. 3781**

**Explanation :**

$$3 * 1 + 2 = 5$$

$$5 * 3 - 4 = 11$$

$$11 * 5 + 6 = 61.....$$

3. **3 2 12 ? 20144**
- A. 345
  - B. 315
  - C. 375
  - D. 355
  - E. None of these

Answer & Explanation

Answer – **B. 315**

**Explanation :**

$$(3 * 1^3) - 1^2 = 2$$

$$(2 * 2^3) - 2^2 = 12$$

$$(12 * 3^3) - 3^2 = 315.....$$

4. **52 54 28 30 ? 18 10**
- A. 14
  - B. 16
  - C. 18
  - D. 15
  - E. None of these

Answer & Explanation

Answer – **B. 16**

**Explanation :**

$$52 / 1 + 2 = 54$$

$$54 / 2 + 1 = 28$$

$$28 / 1 + 2 = 30.....$$

5. **5 261 389 ? 485 501**
- A. 453
  - B. 592
  - C. 509



- D. 529
- E. None of these

Answer & Explanation

Answer – **A. 453**

**Explanation :**

$$5 + 8 * 32 = 261$$

$$261 + 8 * 16 = 389$$

$$389 + 8 * 8 = 453....$$

6. **5 8 20 47 95 ? 278**
- A. 120
  - B. 170
  - C. 150
  - D. 110
  - E. None of these

Answer & Explanation

Answer – **B. 170**

**Explanation :**

$$5 + 3 * 1^2 = 8$$

$$8 + 3 * 2^2 = 20$$

$$20 + 3 * 3^2 = 47.....$$

7. **990 737 506 ? 214**
- A. 247
  - B. 347
  - C. 257
  - D. 267
  - E. None of these

Answer & Explanation

Answer – **B. 347**

**Explanation :**

$$10^3 - 10 = 990$$

$$9^3 + 8 = 737$$

$$8^3 - 6 = 506.....$$

8. **1716, 990, 504, 210, 60, ?**
- A. 8
  - B. 2
  - C. 6

- D. 4
- E. None of these

Answer & Explanation

Answer – **C. 6**

**Explanation :**

$$12^3 - 12, 10^3 - 10, 8^3 - 8, 6^3 - 6, 4^3 - 4, 2^3 - 2 \dots$$

9. **15 151 1210 ? 29056**

- A. 5463
- B. 4263
- C. 6263
- D. 7263
- E. None of these

Answer & Explanation

Answer – **D. 7263**

**Explanation :**

$$15 * 10 + 1 = 151$$

$$151 * 8 + 2 = 1210$$

$$1210 * 6 + 3 = 7263$$

$$7263 * 4 + 4 = 29056$$

10. **250 254 517 1567 ?**

- A. 3096
- B. 9673
- C. 6967
- D. 6293
- E. None of these

Answer & Explanation

Answer – **D. 6293**

**Explanation :**

$$250 * 1 + 2^2 = 254$$

$$254 * 2 + 3^2 = 517$$

$$517 * 3 + 4^2 = 1567$$

$$1567 * 4 + 5^2 = 6293$$

1. **5 14 46 165 ? 3525**

- A. 716
- B. 736
- C. 746

- D. 696
- E. None of these

Answer & Explanation

Answer – **D. 696**

**Explanation :**

$$(5 * 1) + (1 * 9) = 14$$

$$(14 * 2) + (2 * 9) = 46.....$$

2. **3 2 3 6 14 ? 116**

- A. 37.5
- B. 47.5
- C. 43.6
- D. 36.8
- E. None of these

Answer & Explanation

Answer – **A. 37.5**

**Explanation :**

$$3 * 0.5 + 0.5 = 2$$

$$2 * 1 + 1 = 3$$

$$3 * 1.5 + 1.5 = 6.....$$

3. **3 8 27 76 ? 696 2099**

- A. 245
- B. 235
- C. 275
- D. 255
- E. None of these

Answer & Explanation

Answer – **B. 235**

**Explanation :**

$$3 * 3 - 1 = 8$$

$$8 * 3 + 3 = 27$$

$$27 * 3 - 5 = 76.....$$

4. **972 488 242 123 ? 31.75 13.875**

- A. 54.5
- B. 69.5
- C. 87.5
- D. 59.5
- E. None of these

Answer & Explanation

Answer – **D. 59.5**

**Explanation :**

$$972 / 2 + 2 = 488$$

$$488 / 2 - 2 = 242$$

$$242 / 2 + 2 = 123.....$$

5. **5 293 437 ? 545 563 572**

A. 457

B. 592

C. 509

D. 529

E. None of these

Answer & Explanation

Answer – C. 509

**Explanation :**

$$5 + 9 * 32 = 293$$

$$293 + 9 * 16 = 437$$

$$437 + 9 * 8 = 509.....$$

6. **5 12 40 ? 212 387 639**

A. 123

B. 103

C. 153

D. 113

E. None of these

Answer & Explanation

Answer – **B. 103**

**Explanation :**

$$5 + 7 * 1^2 = 12$$

$$12 + 7 * 2^2 = 40$$

$$40 + 7 * 3^2 = 103.....$$

7. **717 522 335 ? 121 66**

A. 222

B. 232

C. 242

D. 252

E. None of these

Answer & Explanation

Answer – **A. 222**

**Explanation :**

$$9^3 - 12 = 717$$

$$8^3 + 10 = 522$$

$$7^3 - 8 = 335 \dots\dots$$

8. **2394, 1290, 620, 252, 78, ?**

A. 10

B. 12

C. 14

D. 18

E. None of these

Answer & Explanation

Answer – **C. 14**

**Explanation :**

$$7^4 - 7, 6^4 - 6, 5^4 - 5, 4^4 - 4 \dots$$

9. **15 25 34 ? 464 2330 13980**

A. 240

B. 420

C. 150

D. 120

E. None of these

Answer & Explanation

Answer – **D. 120**

**Explanation :**

$$(15 * 1) + (1 * 10) = 25$$

$$(25 * 2) - (2 * 8) = 34$$

$$(34 * 3) + (3 * 6) = 120$$

$$(120 * 4) - (4 * 4) = 464$$

$$(464 * 5) + (5 * 2) = 2330$$

$$(2330 * 6) - (6 * 0) = 13980$$

10. **2580 2582 5160 15486 61936 ?**

A. 309690

B. 409670

C. 509670

D. 209670

E. None of these

Answer & Explanation

Answer – **A. 309690**

**Explanation :**

$$2580 * 1 + 2 = 2582$$

$$2582 * 2 - 4 = 5160$$

$$5160 * 3 + 6 = 15486$$

$$15486 * 4 - 8 = 61936 \dots$$

1. **872,872, 888, 824, ?, 692**

1.712

2.846

3.723

4.692

5.None of these

Answer & Explanation

Answer – **1.712**

**Explanation :**

$$872 - 0^2 = 872$$

$$872 + 4^2 = 888$$

$$888 - 8^2 = 824$$

$$824 + 12^2 = 968$$

$$968 - 16^2 = 712$$

2. **69, 84, 189, ?, 1197, 2484**

1.893

2.761

3.504

4.920

5.None of these

Answer & Explanation

Answer – **3.504**

**Explanation :**

$$69 + (1 * 3 * 5) = 84$$

$$84 + (3 * 5 * 7) = 189$$

$$189 + (5 * 7 * 9) = 504$$

$$504 + (7 * 9 * 11) = 1197$$

$$1197 + (9 * 11 * 13) = 2484$$

3. **156, 173, 131, 181, 94, ?**

1.321

2.89

3.171

- 4.255  
5. None of these

Answer & Explanation

Answer – **4.255**

**Explanation :**

$$156 + 17 * 1 = 173$$

$$173 - 21 * 2 = 131$$

$$131 + 25 * 3 = 206$$

$$206 - 29 * 4 = 90$$

$$90 + 33 * 5 = 255$$

4. **980, 191, ?, 253, 504, 505**

- 1.676  
2.876  
3.768  
4.534  
5. None of these

Answer & Explanation

Answer – **3.768**

**Explanation :**

$$980 \div 5 - 5 = 191$$

$$191 * 4 + 4 = 768$$

$$768 \div 3 - 3 = 253$$

$$253 * 2 - 2 = 504$$

$$504 * 1 + 1 = 505$$

5. **33, 165, 825, ? , 20625**

- 1.3625  
2.4125  
3.5225  
4.6225  
5. None of these

Answer & Explanation

Answer – **2.4125**

**Explanation :**

$$33 * 0.5 \div 0.1 = 165$$

$$165 * 1 \div 0.2 = 825$$

$$825 * 1.5 \div 0.3 = 4125$$

$$4125 * 2 \div 0.4 = 20625$$

6. **1, 9, 32, 114, 476, ?**

- 1.2400
- 2.3100
- 3.1980
- 4.2320
- 5.None of these

Answer & Explanation

Answer – **1.2400**

**Explanation :**

$$1*1+1*8 = 1+9 = 9$$

$$9*2+2*7 = 18+14 = 32$$

$$32*3+3*6 = 96+18 = 114$$

$$114*4+4*5 = 456+20 = 476$$

$$476*5+5*4 = 2380+20 = 2400$$

7. **127, 125, 247, ?, 2943**

- 1.777
- 2.773
- 3.737
- 4.767
- 5.None of these

Answer & Explanation

Answer – **3.737**

**Explanation :**

$$127*1-2 = 125$$

$$125*2-3 = 247$$

$$247*3-4 = 737$$

$$737*4-5 = 2943$$

8. **96, 99, 104, ?, 128, 151**

- 1.111
- 2.112
- 3.113
- 4.114
- 5.None of these

Answer & Explanation

Answer – **3.113**

**Explanation :**

$$96+3 = 99$$

$$99+(3+2) = 104$$



$$104+(5+4) = 113$$
$$113+(9+6) = 128$$
$$128+(15+8) = 151$$

9. **111, 133.2, 186.48, 298.36, 537.04, ?**

- 1. 1046.19
- 2. 1074.12
- 3. 967.08
- 4. 1133.03
- 5. None of these

Answer & Explanation

Answer – **2.1074.08**

**Explanation :**

$$111 * 1.2 = 133.2$$
$$133.2 * 1.4 = 186.48$$
$$186.48 * 1.6 = 298.36$$
$$298.36 * 1.8 = 537.04$$
$$537.06 * 2 = 1074.08$$

10. **2125, ? , 207.75, 42.05, 26.025**

- 1. 424.05
- 2. 925.25
- 3. 1230
- 4. 425.5
- 5. None of these

Answer & Explanation

Answer – **4.425.5**

**Explanation :**

$$2125 \div 5 + 0.5 = 425.5$$
$$425.5 * 0.5 - 5 = 207.75$$
$$207.75 \div 5 + 0.5 = 42.05$$
$$42.05 * 0.5 - 5 = 26.025$$

1. **5 7 16 57 244 1245 7506**

- A. 5
- B. 16
- C. 7506
- D. 7
- E. None of these

Answer & Explanation

Answer – **D. 7**

**Explanation :**

$$(5 * 1) + 1^2 = 6$$

$$(6 * 2) + 2^2 = 16.....$$

Correct Number: 6

2. **5 3 4 7.5 17 47 138**

A. 5

B. 4

C. 47

D. 17

E. None of these

Answer & Explanation

Answer – **C. 47**

**Explanation :**

$$5 * 0.5 + 0.5 = 3$$

$$3 * 1 + 1 = 4$$

$$4 * 1.5 + 1.5 = 7.5.....$$

Correct Number: 45

3. **3 5 13 43 178 891 5353**

A. 43

B. 178

C. 891

D. 5353

E. None of these

Answer & Explanation

Answer – **B. 178**

**Explanation :**

$$3 * 1 + 2 = 5$$

$$5 * 2 + 3 = 13$$

$$13 * 3 + 4 = 43.....$$

Correct Number: 177

4. **972 484 240 118 56 26.5 11.25**

A. 240

B. 11.25

C. 118

D. 56

E. None of these

Answer & Explanation

Answer – **D. 56**

**Explanation :**

$$972 / 2 - 2 = 484$$

$$484 / 2 - 2 = 240$$

$$240 / 2 - 2 = 118.....$$

Correct Number: 57

5. **25 313 457 529 565 585 592**

A. 457

B. 592

C. 313

D. 529

E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$25 + 9 * 32 = 313$$

$$313 + 9 * 16 = 457$$

$$457 + 9 * 8 = 529.....$$

Wrong Number: 585

Correct Number: 583

6. **25 35 50 75 110 155 210**

A. 50

B. 210

C. 25

D. 110

E. None of these

Answer & Explanation

Answer – **C. 25**

**Explanation :**

$$30 + 5 * 1 = 35$$

$$35 + 5 * 3 = 50$$

$$50 + 5 * 5 = 75.....$$

Wrong Number: 25

Correct Number: 30

7. **900 890 879 858 830 795 753**

A. 753

B. 795

C. 890

- D. 858
- E. None of these

Answer & Explanation

Answer – **C. 890**

**Explanation :**

$$900 - 7 = 893$$

$$893 - 14 = 879$$

$$879 - 21 = 858 \dots\dots$$

Wrong Number: 890

Correct Number: 893

8. **16800, 7770, 1290, 3120, 1000, 240, 30**
- A. 1000
  - B. 7770
  - C. 3120
  - D. 78
  - E. None of these

Answer & Explanation

Answer – **A. 1000**

**Explanation :**

$$7^5 - 7, 6^5 - 6, 5^5 - 5, 4^5 - 4 \dots$$

Wrong Number: 1000

Correct Number: 1020

9. **15 22 32 111 428 1538 12900**
- A. 22
  - B. 428
  - C. 1538
  - D. 12900
  - E. None of these

Answer & Explanation

Answer – **D. 12900**

**Explanation :**

$$15 * 1 + (1 * 7) = 22$$

$$22 * 2 - (2 * 6) = 32$$

$$32 * 3 + (3 * 5) = 111$$

$$111 * 4 - (4 * 4) = 428$$

$$428 * 5 + (5 * 3) = 2155$$

$$2155 * 6 - (6 * 2) = 12918$$

Correct Number: 12918

10. **2580 645 322.5 80.62 45 10.07 5**

- A. 322.5
- B. 645
- C. 45
- D. 10.07
- E. None of these

Answer & Explanation

Answer – **C. 45**

**Explanation :**

$$2580 * 0.25 = 645$$

$$645 * 0.5 = 322.5$$

$$322.5 * 0.25 = 80.62$$

$$80.62 * 0.5 = 40.31 \dots\dots$$

Correct Number: 40.31

1. **19 10.5 11.5 18.25 37.5 92.25 285.25**

- A. 11.5
- B. 274.25
- C. 19
- D. 94.75
- E. None of these

Answer & Explanation

Answer – **D. 94.75**

**Explanation :**

$$(19 * 0.5) + 1 = 10.5$$

$$(10.5 * 1) + 1 = 11.5$$

$$(11.5 * 1.5) + 1 = 18.25 \dots\dots$$

Correct Number: 94.75

2. **21 22 28 38 55 81 118**

- A. 28
- B. 81
- C. 22
- D. 118
- E. None of these

Answer & Explanation

Answer – **C. 22**

**Explanation :**

$$21 + 1^2 + 1 = 23$$

$$23 + 2^2 + 1 = 28$$

$$28 + 3^2 + 1 = 38 \dots\dots$$

Correct Number: 23

3. **3 4 10 32 136 685 4116**

- A. 4
- B. 32
- C. 685
- D. 4116
- E. None of these

Answer & Explanation

Answer – **B. 32**

**Explanation :**

$$3 * 1 + 1 = 4$$

$$4 * 2 + 2 = 10$$

$$10 * 3 + 3 = 33 \dots\dots$$

Correct Number: 33

4. **90720 10080 1440 240 48 10 4**

- A. 240
- B. 48
- C. 1440
- D. 10
- E. None of these

Answer & Explanation

Answer – **D. 10**

**Explanation :**

$$4 * 3 = 12$$

$$12 * 4 = 48$$

$$48 * 5 = 240 \dots\dots$$

Correct Number: 12

5. **3 5 10 12 17 23 24**

- A. 5
- B. 17
- C. 24
- D. 23
- E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

First series: 3, 10, 17, 24 (increased by 7)  
Second Series: 5, 14, 23 (increased by 9)  
Wrong Number: 12  
Correct Number: 14

6. **3 7 6 28 38 112 448**  
A. 112  
B. 448  
C. 28  
D. 38  
E. None of these

Answer & Explanation

Answer – **D. 38**  
**Explanation :**  
First series: 3, 6, 9 (increased by 3)  
Second Series: 7, 28, 112, 448 (multiplied by 4)  
Wrong Number: 38  
Correct Number: 9

7. **650 148 130 108 32.5 28 10.8**  
A. 28  
B. 148  
C. 650  
D. 32.5  
E. None of these

Answer & Explanation

Answer – **A. 28**  
**Explanation :**  
First series: 650, 130, 32.5, 10.8 (divided by 5, 4, 3)  
Second Series: 148, 108, 68 (difference : 40)  
Wrong Number: 28  
Correct Number: 68

8. **4088, 2394, 1290, 520, 252, 78, 14**  
A. 1290  
B. 520  
C. 78  
D. 14  
E. None of these

Answer & Explanation

Answer – **B. 520**

**Explanation :**

$7^4 - 6, 6^4 - 6, 5^4 - 5, 4^4 - 4 \dots$

Correct Number: 620

9. **12 12 21 68 325 1538 12859**

A. 12

B. 68

C. 325

D. 1538

E. None of these

Answer & Explanation

Answer – **D. 1538**

**Explanation :**

$19 * 1 - (1 * 7) = 12$

$12 * 2 - (2 * 6) = 12$

$12 * 3 - (3 * 5) = 21$

$21 * 4 - (4 * 4) = 68 \dots\dots$

Correct Number: 1838

10. **2580 645 322.5 80.62 45 10.07 5**

A. 322.5

B. 645

C. 45

D. 10.07

E. None of these

Answer & Explanation

Answer – **C. 45**

**Explanation :**

$2580 * 0.25 = 645$

$645 * 0.5 = 322.5$

$322.5 * 0.25 = 80.62$

$80.62 * 0.5 = 40.31 \dots\dots$

Correct Number: 40.31

1. **61 82 124 187 ? 376**

A. 238

B. 248

C. 288

D. 271

E. None of these



Answer & Explanation

Answer – **D. 271**

**Explanation :**

$$61 + (1 * 21) = 82$$

$$82 + (2 * 21) = 124$$

$$124 + (3 * 21) = 187 \dots$$

2. **23 30 46 80 141 ?**

A. 238

B. 248

C. 288

D. 271

E. None of these

Answer & Explanation

Answer – **A. 238**

**Explanation :**

$$30 - 23 = 7$$

$$46 - 30 = 16$$

$$80 - 46 = 34$$

$$16 - 7 = 9$$

$$34 - 16 = 18 \dots$$

3. **1338 447 150 51 18**

A. 8

B. 3

C. 7

D. 9

E. None of these

Answer & Explanation

Answer – **C. 7**

**Explanation :**

$$1338 / 3 + 1 = 447$$

$$447 / 3 + 1 = 150$$

$$150 / 3 + 1 = 51 \dots$$

4. **8 10 14.5 22.5 35 53 ?**

A. 33.8

B. 34.5

C. 54.25

D. 77.5

E. None of these

Answer & Explanation

Answer – **D. 77.5**

**Explanation :**

$$10 - 8 = 2$$

$$14.5 - 10 = 4.5$$

$$22.5 - 14.5 = 8$$

$$4.5 - 2 = 2.5$$

$$8 - 4.5 = 3.5 \dots$$

5. 39 52 78 117 169 ?
- A. 246
  - B. 148
  - C. 188
  - D. 234
  - E. None of these

Answer & Explanation

Answer – **D. 234**

**Explanation :**

$$13 * 3 = 39$$

$$13 * 4 = 52$$

$$13 * 6 = 78$$

$$13 * 9 = 117 \dots$$

6. **16 24 ? 210 945 5197.5**
- A. 30
  - B. 40
  - C. 80
  - D. 90
  - E. 60

Answer & Explanation

Answer – **E. 60**

**Explanation :**

$$16 * 1.5 = 24$$

$$24 * 2.5 = 60$$

7. **9000 1795 355 68 ? 1.32**
- A. 13.8
  - B. 14.8
  - C. 18.8
  - D. 19.8
  - E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$9000 / 5 - 5 = 1795$$

$$1795 / 5 - 4 = 355$$

$$355 / 5 - 3 = 68$$

$$68 / 5 - 2 = 11.6$$

8. **17 9 ? 16.5 35 90**

A. 10

B. 15

C. 25

D. 30

E. None of these

Answer & Explanation

Answer – **A. 10**

**Explanation :**

$$17 * (1/2) + 0.5 = 9$$

$$9 * (1) + 1 = 10$$

9. **5 3 6 ? 64.75**

A. 13.5

B. 14.5

C. 18.5

D. 19.5

E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$5 * 0.5 + 0.5 = 3$$

$$3 * 1.5 + 1.5 = 6$$

$$6 * 2.5 + 2.5 = 17.5$$

10. **6 13 38 ? 532 2675**

A. 138

B. 129

C. 123

D. 164

E. None of these

Answer & Explanation

Answer – **B. 129**

**Explanation :**

$$(6 * 1) + 7 = 13$$

$$(13 * 2) + 12 = 38$$

$$(38 * 3) + 15 = 129$$

$$(129 * 4) + 16 = 532$$

$$12 - 7 = 5$$

$$15 - 12 = 3$$

$$16 - 15 = 1$$

$$5 - 3 = 2$$

$$3 - 2 = 1...$$

1. **698 554 454 390 354 ?**

A. 338

B. 348

C. 388

D. 398

E. None of these

Answer & Explanation

Answer – **A. 338**

**Explanation :**

$$-12^2 - 10^2, -8^2$$

338

2. **5 7 10 36 136 ?**

A. 789

B. 890

C. 690

D. 698

E. None of these

Answer & Explanation

Answer – **C. 690**

**Explanation :**

$$* 1 + 2$$

$$* 2 - 4$$

$$* 3 + 6$$

690

3. **2 10 96 ? 7746**

A. 775

B. 778

C. 776

- D. 790
- E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$2 \cdot 2^1 + 6, 10 \cdot 3^2 + 6 \dots$$

774

4. **3 10 32 ? 460 2315**

- A. 112
- B. 132
- C. 115
- D. 119
- E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$10 = 3 * 1 + 7 * 1$$

$$32 = 10 * 2 + 6 * 2$$

$$111 = 32 * 3 + 5 * 3$$

5. **6072 ? 200 48 14 5**

- A. 1045
- B. 1010
- C. 1005
- D. 1052
- E. None of these

Answer & Explanation

Answer – **B. 1010**

**Explanation :**

$$-12 / 6$$

$$-10 / 5$$

$$-8 / 4$$

1010

6. **5 8 6 ? 7 12**

- A. 12
- B. 14
- C. 16

- D. 10
- E. None of these

Answer & Explanation

Answer – **D. 10**

**Explanation :**

$$*2 - 2$$

$$/2 + 2$$

$$*2 - 2$$

$$10$$

7. **6 23 56 ? 184 219**

- A. 104
- B. 109
- C. 107
- D. 106
- E. None of these

Answer & Explanation

Answer – **B. 109**

**Explanation :**

$$2^3 - 2^1$$

$$3^3 - 2^2$$

$$4^3 - 2^3$$

$$109$$

8. **13700 1957 ? 65 16 5**

- A. 326
- B. 350
- C. 345
- D. 362
- E. None of these

Answer & Explanation

Answer – **A. 326**

**Explanation :**

$$-1 / 7$$

$$-1 / 6$$

$$-1 / 5$$

$$326$$

9. **5 12 60 340 ? 6724**

- A. 1584

- B. 1884
- C. 1684
- D. 1784
- E. None of these

Answer & Explanation

Answer – **C. 1684**

**Explanation :**

$$* 8 - 28$$

$$* 7 - 24$$

$$* 6 - 20$$

$$1684$$

10. **3 7 12 27 50 ?**

- A. 100
- B. 95
- C. 85
- D. 105
- E. None of these

Answer & Explanation

Answer – **D. 105**

**Explanation :**

$$3 * 2 + 1$$

$$7 * 2 - 2$$

$$12 * 2 + 3$$

$$27 * 2 - 4$$

$$50 * 2 + 5 = 105$$

1. **35 118 280 600 ? 2504 5036**

- A. 1364
- B. 1236
- C. 1362
- D. 1361
- E. None of these

Answer & Explanation

Answer – **B. 1236**

**Explanation :**

$$118 - 35 = 83$$

$$280 - 118 = 162$$

$$\Rightarrow 162 - 83 = 79$$

$$280 - 118 = 162$$

$$600 - 280 = 320$$
$$\Rightarrow 320 - 162 = 158$$

2. **18 119 708 ? 14136 42405**

- A. 3434
- B. 3535
- C. 3636
- D. 3737
- E. None of these

Answer & Explanation

Answer – **B. 3535**

**Explanation :**

$$18 * 7 - 7 = 119$$

$$119 * 6 - 6 = 708$$

$$708 * 5 - 5 = 3535$$

3. **5 7.5 11.25 17.5 ? 50**

- A. 28.75
- B. 26.50
- C. 27.50
- D. 28.25
- E. None of these

Answer & Explanation

Answer – **A. 28.75**

**Explanation :**

$$7.5 - 5 = 2.5$$

$$11.25 - 7.5 = 3.75$$

$$\Rightarrow 3.75 - 2.5 = 1.25$$

$$11.25 - 7.5 = 3.75$$

$$17.5 - 11.25 = 6.25$$

$$\Rightarrow 6.25 - 3.75 = 2.5$$

4. **264 262 271 243 ?**

- A. 302
- B. 304
- C. 306
- D. 308
- E. None of these

Answer & Explanation



Answer – **D. 308**

**Explanation :**

$$264 - 1^3 + 1 = 262$$

$$262 + 2^3 + 1 = 271$$

$$271 - 3^3 + 1 = 243$$

5. **1.5 2.5 7 24 100 ?**

A. 500

B. 504

C. 505

D. 503

E. None of these

Answer & Explanation

Answer – **C. 505**

**Explanation :**

$$1.5 * 1 + 1 = 2.5$$

$$2.5 * 2 + 2 = 7$$

$$7 * 3 + 3 = 24$$

6. **15 29 47 73 115 ?**

A. 176

B. 189

C. 173

D. 178

E. None of these

Answer & Explanation

Answer – **B. 189**

**Explanation :**

$$15 * 2 - 1 = 29$$

$$29 * 2 - 11 = 47$$

$$47 * 2 - 21 = 73$$

7. **? 21 9 6 6 5**

A. 58

B. 32

C. 60

D. 22

E. None of these

Answer & Explanation

Answer – **C. 60**

**Explanation :**

$$21 - 9 = 12$$

$$9 - 6 = 3$$

$$\Rightarrow 12 - 3 = 9$$

$$9 - 6 = 3$$

$$6 - 6 = 0$$

$$\Rightarrow 3 - 0 = 3$$

8. **9 20 63 256 ?**

A. 789

B. 816

C. 879

D. 980

E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$9 * 2 + 2 = 20$$

$$20 * 3 + 3 = 63$$

$$63 * 4 + 4 = 256$$

$$256 * 5 + 5 = 1285$$

9. **1 2 6 21 88 ? 2676 .**

A. 450

B. 455

C. 440

D. 445

E. None of these

Answer & Explanation

Answer – **D. 445**

**Explanation :**

$$1 * 1 + 1 = 2$$

$$2 * 2 + 2 = 6$$

$$6 * 3 + 3 = 21$$

$$21 * 4 + 4 = 88$$

10. **2 12 36 ? 150**

A. 70

B. 75

C. 60

- D. 65
- E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

Ans : 80

$1^3 + 1^2, 2^3 + 2^2, 3^3 + 3^2, 4^3 + 4^2 \dots$

1. **8 10 18 44 124 ?**

- A. 364
- B. 366
- C. 362
- D. 361
- E. None of these

Answer & Explanation

Answer – **B. 366**

**Explanation :**

$$8 + 2 = 10$$

$$10 + 8(= 3 * 2 + 2) = 18$$

$$18 + 26(= 3 * 8 + 2) = 44$$

$$44 + 80(= 3 * 26 + 2) = 124$$

$$124 + 242(= 3 * 80 + 2) = 366$$

2. **13 25 61 121 205 ?**

- A. 310
- B. 312
- C. 314
- D. 313
- E. None of these

Answer & Explanation

Answer – **D. 313**

**Explanation :**

$$13 + (1 * 12) = 13 + 12 = 25$$

$$25 + (3 * 12) = 25 + 36 = 61$$

$$61 + (5 * 12) = 61 + 60 = 121$$

$$121 + (7 * 12) = 121 + 84 = 205$$

$$205 + (9 * 12) = 205 + 108 = 313$$

3. **12 18 36 102 360 ?**

- A. 1186

- B. 1286
- C. 1386
- D. 1486
- E. None of these

Answer & Explanation

Answer – **C. 1386**

**Explanation :**

$$(12 * 4) - 30 = 48 - 30 = 18$$

$$(18 * 4) - 36 = 72 - 36 = 36$$

$$(36 * 4) - 42 = 144 - 42 = 102$$

$$(102 * 4) - 48 = 408 - 48 = 360$$

$$(360 * 4) - 54 = 1440 - 54 = 1386$$

4. **13 21 36 58 87 ?**
- A. 133
  - B. 123
  - C. 143
  - D. 113
  - E. None of these

Answer & Explanation

Answer – **B. 123**

**Explanation :**

$$13 + 8 = 21$$

$$21 + 8 + 7 = 21 + 15 = 36$$

$$36 + 15 + 7 = 36 + 22 = 58$$

$$58 + 22 + 7 = 58 + 29 = 87$$

$$87 + 29 + 7 = 87 + 36 = 123$$

5. **5 7 13 25 45 ?**
- A. 78
  - B. 70
  - C. 65
  - D. 55
  - E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$5 + 1 * 2 = 7$$

$$7 + 2 * 3 = 13$$

$$13 + 3 * 4 = 25$$

$$25 + 4 * 5 = 45$$

$$45 + 5 * 6 = 75$$

6. **13 16 22 33 51 ?**

A. 72

B. 74

C. 70

D. 76

E. None of these

Answer & Explanation

Answer – **E. None of these**

**Explanation :**

$$13 + 3 = 16$$

$$13 + 3 + 3 = 22$$

$$22 + 6 + 5 = 33$$

$$33 + 11 + 7 = 51$$

$$51 + 18 + 9 = 78$$

7. **435 354 282 219 165 ?**

A. 112

B. 109

C. 110

D. 120

E. None of these

Answer & Explanation

Answer – **D. 120**

**Explanation :**

$$435 - (9*9) = 354$$

$$354 - (9*8) = 282$$

$$282 - (9*7) = 219$$

$$219 - (9*6) = 165$$

$$165 - (9*5) = 120$$

8. **27 38 71 126 203 ?**

A. 312

B. 305

C. 302

D. 315

E. None of these

Answer & Explanation

Answer – **C. 302**

**Explanation :**

$$27 + 11 = 38$$

$$38 + 33 = 71$$

$$71 + 55 = 126$$

$$126 + 77 = 203$$

$$203 + 99 = 302$$

9. **4 11 25 53 109 ?**

A. 221

B. 224

C. 220

D. 223

E. None of these

Answer & Explanation

Answer – **A. 221**

**Explanation :**

$$4 + (1 * 7) = 11$$

$$11 + (2 * 7) = 25$$

$$25 + (4 * 7) = 53$$

$$53 + (8 * 7) = 109$$

$$109 + (16 * 7) = 221$$

10. **33 43 65 99 145 ?**

A. 103

B. 209

C. 203

D. 109

E. None of these

Answer & Explanation

Answer – **C. 203**

**Explanation :**

$$33 + 10 = 43$$

$$43 + (10 + 12) = 65$$

$$65 + (10 + 24) = 99$$

$$99 + (10 + 36) = 145$$

$$145 + (10 + 48) = 203$$

1. **40 42 21 23 11.5 ?**

a) 11.5

b) 13.5

c) 17.5

- d) 52
- e) None of these

Answer & Explanation

Answer – **b) 13.5**

**Explanation :**

$$40 + 2 = 42$$

$$42 \div 2 = 21$$

$$21 + 2 = 23$$

$$23 \div 2 = 11.5$$

$$11.5 + 2 = 13.5$$

2. **17 89 154 210 255 ?**

- a) 237
- b) 247
- c) 267
- d) 287
- e) None of these

Answer & Explanation

Answer – **d) 287**

**Explanation :**

$$17 + (81 - 9) = 89$$

$$89 + (81 - 16) = 154$$

$$154 + (81 - 25) = 210$$

$$210 + (81 - 36) = 255$$

$$255 + (81 - 49) = 287$$

3. **10 25 42 63 92 ?**

- a) 127
- b) 137
- c) 147
- d) 157
- e) None of these

Answer & Explanation

Answer – **b) 137**

**Explanation :**

$$10 + 15 = 25$$

$$25 + 17 = 42$$

$$42 + 21 = 63$$

$$63 + 29 = 92$$

$$92 + 45 = 137$$

4. **12 34 98 286 ?**  
a) 832  
b) 842  
c) 852  
d) 864  
e) None of these

Answer & Explanation

Answer – **b) 842**

**Explanation :**

$$12*3 - 2 = 34$$

$$34*3 - 4 = 98$$

$$98*3 - 8 = 286$$

$$286*3 - 16 = 842$$

5. **100 100 50 12.5 ?**  
a) 2.5625  
b) 1.5625  
c) 3.5625  
d) 4.5625  
e) None of these

Answer & Explanation

Answer – **b) 1.5625**

**Explanation :**

$$100*1 = 100$$

$$100*0.5 = 50$$

$$50*0.25 = 12.5$$

$$12.5*0.125 = 1.5625$$

6. **10 16.5 43.75 156.625 ?**  
a) 609.3125  
b) 809.3125  
c) 699.3125  
d) 709.3125  
e) None of these

Answer & Explanation

Answer – **d) 709.3125**

**Explanation :**

$$10*1.5 + 1.5 = 16.5$$

$$16.5*2.5 + 2.5 = 43.75$$



$$43.75 \times 3.5 + 3.5 = 156.625$$
$$156.625 \times 4.5 + 4.5 = 709.3125$$

7. **17 19 28 92 ?**

- a) 707
- b) 717
- c) 727
- d) 737
- e) None of these

Answer & Explanation

Answer – **b) 717**

**Explanation :**

$$17 + (2^1) = 19$$

$$19 + (3^2) = 28$$

$$28 + (4^3) = 92$$

$$92 + (5^4) = 717$$

8. **625 624 597 472 129 ?**

- a) – 200
- b) – 300
- c) – 400
- d) -600
- e) None of these

Answer & Explanation

Answer – **d) -600**

**Explanation :**

$$625 - (1^3) = 624$$

$$624 - (3^3) = 597$$

$$597 - (5^3) = 472$$

$$472 - (7^3) = 129$$

$$129 - (9^3) = -600$$

9. **25 29 38 55 86 ?**

- a) 138
- b) 141
- c) 143
- d) 145
- e) None of these

Answer & Explanation

Answer – c) **143**Explanation :

$$25 + (3 + 1) = 29$$

$$29 + (6 + 3) = 38$$

$$38 + (12 + 5) = 55$$

$$55 + (24 + 7) = 86$$

$$86 + (48 + 9) = 143$$

10. **100 125 225 450 850 ?**

a) 1375

b) 1275

c) 1475

d) 1575

e) None of these

Answer & Explanation

Answer – c) **1475**

**Explanation :**

$$100 + 5^2 = 125$$

$$125 + 10^2 = 225$$

$$225 + 15^2 = 450$$

$$450 + 20^2 = 850$$

$$850 + 25^2 = 1475$$

1. **17 36 52 63 67 ?**

a) 71

b) 72

c) 62

d) 63

e) None of these

Answer & Explanation

Answer – c) **62**

**Explanation :**

$$17 + (5*4 - 1) = 36$$

$$36 + (5*4 - 4) = 52$$

$$52 + (5*4 - 9) = 63$$

$$63 + (5*4 - 16) = 67$$

$$67 + (5*4 - 25) = 62$$

2. **10 28 64 115 175 ?**

a) 252

b) 272

c) 232

- d) 300
- e) None of these

Answer & Explanation

Answer – c) **232**

**Explanation :**

$$10 + (21 - 3) = 28$$

$$28 + (42 - 6) = 64$$

$$64 + (63 - 12) = 115$$

$$115 + (84 - 24) = 175$$

$$175 + (105 - 48) = 232$$

3. **100 104 95 111 86 ?**

- a) 112
- b) 122
- c) 132
- d) 142
- e) None of these

Answer & Explanation

Answer – b) **122**

**Explanation :**

$$100 + 2^2 = 104$$

$$104 - 3^2 = 95$$

$$95 + 4^2 = 111$$

$$111 - 5^2 = 86$$

$$86 + 6^2 = 122$$

4. **50 53 59 73 105 ?**

- a) 165
- b) 175
- c) 185
- d) 195
- e) None of these

Answer & Explanation

Answer – b) **175****Explanation :**

$$50 + (5 - 2) = 53$$

$$53 + (10 - 4) = 59$$

$$59 + (20 - 6) = 73$$

$$73 + (40 - 8) = 105$$

$$105 + (80 - 10) = 175$$

5. **17 32 93 368 ?**  
a) 1735  
b) 1835  
c) 1935  
d) 1995  
e) None of these

Answer & Explanation

Answer – **b) 1835**

**Explanation :**

$$17 * 2 - 2 = 32$$

$$32 * 3 - 3 = 93$$

$$93 * 4 - 4 = 368$$

$$368 * 5 - 5 = 1835$$

6. **64 72 79 93 103 ?**  
a) 104  
b) 105  
c) 107  
d) 110  
e) None of these

Answer & Explanation

Answer – **b) 105**

**Explanation :**

$$64 + (6 + 4 - 2) = 72$$

$$72 + (7 + 2 - 2) = 79$$

$$79 + (7 + 9 - 2) = 93$$

$$93 + (9 + 3 - 2) = 103$$

$$103 + (1 + 0 + 3 - 2) = 105$$

7. **20 31 31 53 57 90 ?**  
a) 95  
b) 96  
c) 98  
d) 92  
e) 100

Answer & Explanation

Answer – **c) 98**

**Explanation :**

$$20 + 11 = 31$$

$$31 + 0 = 31$$

$$31 + 22 = 53$$

$$53 + 4 = 57$$

$$57 + 33 = 90$$

$$90 + 8 = 98$$

8. **5 20 53 112 205 ?**

a) 320

b) 330

c) 340

d) 350

e) None of these

Answer & Explanation

Answer – c) **340**

**Explanation :**

$$5 + (4^2 - 1) = 20$$

$$20 + (6^2 - 3) = 53$$

$$53 + (8^2 - 5) = 112$$

$$112 + (10^2 - 7) = 205$$

$$205 + (12^2 - 9) = 340$$

9. **20 20 10 30 7.5 ?**

a) 32.5

b) 37.5

c) 41.25

d) 43.25

e) None of these

Answer & Explanation

Answer –b) **37.5**

**Explanation :**

$$20 * 1 = 20$$

$$20 \div 2 = 10$$

$$10 * 3 = 30$$

$$30 \div 4 = 7.5$$

$$7.5 * 5 = 37.5$$

10. **64 66 72 88 128 ?**

a) 256

b) 246

c) 224

d) 226

e) None of these

Answer & Explanation

Answer – c) **224**

**Explanation :**

$$64 + (1*2) = 66$$

$$66 + (2*3) = 72$$

$$72 + (4*4) = 88$$

$$88 + (8*5) = 128$$

$$128 + (16*6) = 224$$

1. **15 30 52 83 125 178 ?**

a) 235

b) 246

c) 255

d) 165

e) None of these

Answer & Explanation

Answer – b) **246**

**Explanation :**

$$15 + (4^2 - 1) = 30$$

$$30 + (5^2 - 3) = 52$$

$$52 + (6^2 - 5) = 83$$

$$83 + (7^2 - 7) = 125$$

$$125 + (8^2 - 11) = 178$$

$$178 + (9^2 - 13) = 246$$

2. **10 20 20 60 90 360 ?**

a) 240

b) 480

c) 640

d) 720

e) None of these

Answer & Explanation

Answer – d) **720**

**Explanation :**

$$10*2 = 20$$

$$20*1 = 20$$

$$20*3 = 60$$

$$60*1.5 = 90$$

$$90*4 = 360$$

$$360*2 = 720$$

3. **50 26 14.5 9.25 7.125 ?**

- a) 6.3625
- b) 6.5625
- c) 6.6625
- d) 7.6355
- e) None of these

Answer & Explanation

Answer – **b) 6.5625**

**Explanation :**

$$50*(1/2) + 1 = 26$$

$$26*(1/2) + 1.5 = 14.5$$

$$14.5*(1/2) + 2 = 9.25$$

$$9.25*(1/2) + 2.5 = 7.125$$

$$7.125*(1/2) + 3 = 6.5625$$

4. **10 49 243 1211 6047 ?**

- a) 30219
- b) 21219
- c) 31219
- d) 28291
- e) None of these

Answer & Explanation

Answer – **a) 30219**

**Explanation :**

$$*5 -1, *5-2, *5 -4, *5 -8, *5 -16$$

5. **12 30 75 187.5 ? 1171.875**

- a) 458.75
- b) 468.75
- c) 442.75
- d) 598.75
- e) None of these

Answer & Explanation

Answer – **b) 468.75**

**Explanation :**

multiply each term by 2.5

6. **32 160 1120 4480 ?**

- a) 70670
- b) 60250

- c) 71680
- d) 89120
- e) None of these

Answer & Explanation

Answer – c) **71680**

**Explanation :**

$$32*(3+2) = 160$$

$$160*(1+6+0) = 1120$$

$$1120*(1+1+2+0) = 4480$$

$$4480*(4+4+8+0) = 71680$$

7. **64 66 72 88 128 ?**

- a) 256
- b) 246
- c) 224
- d) 226
- e) None of these

Answer & Explanation

Answer – c) **224**

**Explanation :**

$$64 + (1*2) = 66$$

$$66 + (2*3) = 72$$

$$72 + (4*4) = 88$$

$$88 + (8*5) = 128$$

$$128 + (16*6) = 224$$

8. **36 39 48 63 84 111 ?**

- a) 141
- b) 142
- c) 143
- d) 144
- e) None of these

Answer & Explanation

Answer – d) **144**

**Explanation :**

$$36 + 3*1 = 39$$

$$39 + 3*3 = 48$$

$$48 + 3*5 = 63$$

$$63 + 3*7 = 84$$



$$84 + 3 \times 9 = 111$$
$$111 + 3 \times 11 = 144$$

9. **11, 15, 42, 58, 183, 219 ?**

- a) 644
- b) 244
- c) 344
- d) 562
- e) None of these

Answer & Explanation

Answer – **d) 562**

**Explanation :**

$$11 + 2^2 = 15$$

$$15 + 3^3 = 42$$

$$42 + 4^2 = 58$$

$$58 + 5^3 = 183$$

$$183 + 6^2 = 219$$

$$219 + 7^3 = 562$$

10. **2160 1082 543 273.5 ?**

- a) 138.75
- b) 148.75
- c) 158.75
- d) 168.75
- e) None of these

Answer & Explanation

Answer – **a) 138.75**

**Explanation :**

$$2160/2 + 2 = 1082$$

$$1082/2 + 4 = 545$$

$$545/2 + 8 = 280.5$$

$$280.5/2 + 16 = 156.25$$

Questions Penned by Yogit

1. **17 25 32 37 47 ?**

- a) 55
- b) 58
- c) 65
- d) 71
- e) None of these

Answer & Explanation

Answer – **b) 58**

**Explanation :**

$$17 + (1+7) = 25$$

$$25 + (2+5) = 32$$

$$32 + (3+2) = 37$$

$$37 + (3+ 7) = 47$$

$$47 + (4 +7) = 58$$

2. **100 112 132 160 196 ?**

a) 210

b) 220

c) 230

d) 240

e) None of these

Answer & Explanation

Answer – **d) 240**

**Explanation :**

$$100 + (4^2 - 2^2) = 112$$

$$112 + (6^2 - 4^2) = 132$$

$$132 + (8^2 - 6^2) = 160$$

$$160 + (10^2 - 8^2) = 196$$

$$196 + (12^2 - 10^2) = 240$$

3. **57 82 182 407 807 ?**

a) 1428

b) 1432

c) 1436

d) 1456

e) None of these

Answer & Explanation

Answer – **b) 1432**

**Explanation :**

$$57 + 5^2 = 82$$

$$82 + 10^2 = 182$$

$$182 + 15^2 = 407$$

$$407 + 20^2 = 807$$

$$807 + 25^2 = 1432$$

4. **10 10 15 30 75 ?**

a) 175

- b) 125
- c) 225
- d) 250
- e) None of these

Answer & Explanation

Answer – c) **225**

**Explanation :**

\*1, \*3/2, \*2, \*5/2, \*3

5. **350 175 87.5 ? 21.875 10.9375**
- a) 43.75
  - b) 47.25
  - c) 43.25
  - d) 47.75
  - e) None of these

Answer & Explanation

Answer – a) **43.75**

**Explanation :**

multiply each term by 0.5

6. **65 132 262 526 1050 ?**
- a) 2102
  - b) 2202
  - c) 2302
  - d) 2402
  - e) None of these

Answer & Explanation

Answer – a) **2102**

**Explanation :**

$$65*2 + 2 = 132$$

$$132*2 - 2 = 262$$

$$262*2 + 2 = 526$$

$$526*2 - 2 = 1050$$

$$1050*2 + 2 = 2102$$

7. **50 95 215 305 1235 ?**
- a) 655
  - b) -655
  - c) 455

- d) -455
- e) None of these

Answer & Explanation

Answer – **b) -655**

**Explanation :**

$$50*2 - 5 = 95$$

$$95*2 + 25 = 215$$

$$215*2 - 125 = 305$$

$$305*2 + 625 = 1235$$

$$1235*2 - 3125 = -655$$

8. **45 22.5 33.75 84.375 289.3125 ?**
- a) 1228.90625
  - b) 1386.90625
  - c) 1268.90625
  - d) 1328.90625
  - e) None of these

Answer & Explanation

Answer – **e) None of these**

**Explanation :**

$$*0.5, *1.5, *2.5, *3.5, *4.5$$

9. **22.5 33.75 ? 75.9375 113.90625**
- a) 50.625
  - b) 50.675
  - c) 55.625
  - d) 55.675
  - e) None of these

Answer & Explanation

Answer – **a) 50.625**

**Explanation :**

multiply each term by  $\frac{3}{2}$

10. **36 39 48 63 84 111 ?**
- a) 141
  - b) 142
  - c) 143
  - d) 144
  - e) None of these

Answer & Explanation

Answer – **d) 144**

**Explanation :**

$$36 + 3*1 = 39$$

$$39 + 3*3 = 48$$

$$48 + 3*5 = 63$$

$$63 + 3*7 = 84$$

$$84 + 3*9 = 111$$

$$111 + 3*11 = 144$$

1. **10 13 20 33 54 ?**

a) 82

b) 83

c) 84

d) 85

e) None of these

Answer & Explanation

Answer – **d) 85**

**Explanation :**

$$10 + (2^2 - 1) = 13$$

$$13 + (3^2 - 2) = 20$$

$$20 + (4^2 - 3) = 33$$

$$33 + (5^2 - 4) = 54$$

$$54 + (6^2 - 5) = 85$$

2. **10 52 253 1006 3013 ?**

a) 5022

b) 6022

c) 7022

d) 8022

e) None of these

Answer & Explanation

Answer – **b) 6022**

**Explanation :**

$$10*6 - 8 = 52$$

$$52 * 5 - 7 = 253$$

$$253 * 4 - 6 = 1006$$

$$1006 * 3 - 5 = 3013$$

$$3013 * 2 - 4 = 6022$$

3. **50 25 25 50 200 1600 ?**

- a) 25200
- b) 25300
- c) 25600
- d) 17800
- e) None of these

Answer & Explanation

Answer – c) **25600**

**Explanation :**

$$50 * (1/2) = 25$$

$$25 * 1 = 25$$

$$25 * 2 = 50$$

$$50 * 4 = 200$$

$$200 * 8 = 1600$$

$$1600 * 16 = 25600$$

4. **20 23 51 160 651 ?**

- a) 3268
- b) 3264
- c) 3246
- d) 3278
- e) None of these

Answer & Explanation

Answer – a) **3268**

**Explanation :**

$$20 * 1 + 3 = 23$$

$$23 * 2 + 5 = 51$$

$$51 * 3 + 7 = 160$$

$$160 * 4 + 11 = 651$$

$$651 * 5 + 13 = 3268$$

5. **100 200 250 275 287.5 ?**

- a) 291.75
- b) 292.75
- c) 294.75
- d) 279.75
- e) None of these

Answer & Explanation

Answer – e) **None of these**

**Explanation :**

+100, +50, +25, +12.50, + 6.25 (divide the difference by 2)

6. **36 39 48 63 84 111 ?**

- a) 141
- b) 142
- c) 143
- d) 144
- e) None of these

Answer & Explanation

Answer – **d) 144**

**Explanation :**

$$36 + 3*1 = 39$$

$$39 + 3*3 = 48$$

$$48 + 3*5 = 63$$

$$63 + 3*7 = 84$$

$$84 + 3*9 = 111$$

$$111 + 3*11 = 144$$

7. **45 89 265 1057 5281 ?**

- a) 31689
- b) 31681
- c) 31481
- d) 38241
- e) None of these

Answer & Explanation

Answer – **b) 31681**

**Explanation :**

$$45*2 - 1 = 89$$

$$89*3 - 2 = 265$$

$$265*4 - 3 = 1057$$

$$1057*5 - 4 = 5281$$

$$5281*6 - 5 = 31681$$

8. **90 93 102 129 210 ?**

- a) 423
- b) 443
- c) 453
- d) 463
- e) None of these

Answer & Explanation

Answer – c) **453**

**Explanation :**

$$90 + 3^1 = 93$$

$$93 + 3^2 = 102$$

$$102 + 3^3 = 129$$

$$129 + 3^4 = 210$$

$$210 + 3^5 = 453$$

9. **61 124 246 494 986 ?**

a) 1972

b) 1976

c) 1974

d) 1978

e) None of these

Answer & Explanation

Answer – c) **1974**

**Explanation :**

$$61 * 2 + 2 = 124$$

$$124 * 2 - 2 = 246$$

$$246 * 2 + 2 = 494$$

$$494 * 2 - 2 = 986$$

$$986 * 2 + 2 = 1974$$

10. **26 65 124 217 342 ?**

a) 511

b) 512

c) 513

d) 514

e) None of these

Answer & Explanation

Answer – c) **513**

**Explanation :**

$$3^3 - 1, 4^3 + 1, 5^3 - 1, 6^3 + 1, 7^3 - 1, 8^3 + 1$$

1. **10 24 64 268 1324 ?**

a) 7922

b) 7924

c) 7964

d) 7932

e) None of these



Answer & Explanation

Answer – c) **7964**

**Explanation :**

$$(10 * 2 + 4) = 24$$

$$(24 * 3 - 8) = 64$$

$$(64 * 4 + 12) = 268$$

$$(268 * 5 - 16) = 1324$$

$$(1324 * 6 + 20) = 7964$$

2. **20 20 10 30 7.5 37.5 ?**

a) 3.25

b) 6.25

c) 9

d) 12.25

e) None of these

Answer & Explanation

Answer – b) **6.25**

**Explanation :**

$$(20 * 1) = 20$$

$$(20 \div 2) = 10$$

$$(10 * 3) = 30$$

$$(30 \div 4) = 7.5$$

$$(7.5 * 5) = 37.5$$

$$(37.5 \div 6) = 6.25$$

3. **147 151 160 176 201 ?**

a) 233

b) 237

c) 239

d) 241

e) None of these

Answer & Explanation

Answer – b) **237**

**Explanation :**

$$(147 + 2^2) = 151$$

$$(151 + 3^2) = 160$$

$$(160 + 4^2) = 176$$

$$(176 + 5^2) = 201$$

$$(201 + 6^2) = 237$$

4. **7 28 63 126 215 344 ?**

- a) 512
- b) 513
- c) 511
- d) 514
- e) None of these

Answer & Explanation

Answer – c) **511**

**Explanation :**

$$(2^3 - 1) = 7$$

$$(3^3 + 1) = 28$$

$$(4^3 - 1) = 63$$

$$(5^3 + 1) = 126$$

$$(6^3 - 1) = 215$$

$$(7^3 + 1) = 344$$

$$(8^3 - 1) = 511$$

5. **50 51 51 53 106 109 327 ?**

- a) 332
- b) 333
- c) 345
- d) 349
- e) None of these

Answer & Explanation

Answer – e) **None of these**

**Explanation :**

$$(50 + 1) = 51$$

$$(51 \times 1) = 51$$

$$(51 + 2) = 53$$

$$(53 \times 2) = 106$$

$$(106 + 3) = 109$$

$$(109 * 3) = 327$$

$$(327 + 4) = 331$$

6. **26 25 26 31 42 61 ?**

- a) 80
- b) 90
- c) 100
- d) 110
- e) None of these

Answer & Explanation

Answer –b) 90

**Explanation :**

$$26 + (1^2 - 2) = 25$$

$$25 + (2^2 - 3) = 26$$

$$26 + (3^2 - 4) = 31$$

$$31 + (4^2 - 5) = 42$$

$$42 + (5^2 - 6) = 61$$

$$61 + (6^2 - 7) = 90$$

7. **1000 992 1019 955 1080 ?**

a) 880

b) 882

c) 864

d) 890

e) None of these

Answer & Explanation

Answer – c) **864**

**Explanation :**

$$(1000 - 2^3) = 992$$

$$(992 + 3^3) = 1019$$

$$(1019 - 4^3) = 955$$

$$(955 + 5^3) = 1080$$

$$(1080 - 6^3) = 864$$

8. **92 90 172 492 1904 ?**

a) 9360

b) 9340

c) 9350

d) 9456

e) None of these

Answer & Explanation

Answer – a) **9360**

**Explanation :**

$$(92 - 2) * 1 = 90$$

$$(90 - 4) * 2 = 172$$

$$(172 - 8) * 3 = 492$$

$$(492 - 16) * 4 = 1904$$

$$(1904 - 32) * 5 = 9360$$

9. **512 523 545 589 677 ?**

a) 853

b) 953

- c) 753
- d) 653
- e) None of these

Answer & Explanation

Answer – a) **853**

**Explanation :**

$$512 + 11 = 523$$

$$523 + 22 = 545$$

$$545 + 44 = 589$$

$$589 + 88 = 677$$

$$677 + 176 = 853$$

10. **16 18 30 60 116 206 ?**

- a) 330
- b) 332
- c) 334
- d) 338
- e) None of these

Answer & Explanation

Answer – d) **338**

**Explanation :**

$$16 + (1^2 + 1) = 18$$

$$18 + (3^2 + 3) = 30$$

$$30 + (5^2 + 5) = 60$$

$$60 + (7^2 + 7) = 116$$

$$116 + (9^2 + 9) = 206$$

$$206 + (11^2 + 11) = 338$$

1. **686, 438, 314, 252, 221, ?**

- A) 180
- B) 187.5
- C) 201
- D) 205.5
- E) 175.5

Answer & Explanation

**D) 205.5**

**Explanation:**

$$686 - 248 = 438$$

$$438 - (248/2) = 438 - 124 = 314$$

$$314 - (124/2) = 314 - 62 = 252$$
$$252 - (62/2) = 252 - 31 = 221$$

2. **427, 85.4, 34.16, 20.496, ?**  
A) 14.3782  
B) 16.2902  
C) 16.3968  
D) 20.3984  
E) 11.6248

Answer & Explanation

**C) 16.3968**

**Explanation:**

\*0.2, \*0.4, \*0.6, \*0.8

3. **6, 6, 4, 8, 3.2, 9.6, ?**  
A) 5.4  
B) 2.8  
C) 2.5  
D) 4.1  
E) None of these

Answer & Explanation

**B) 2.8**

**Explanation:**

\*1, ÷1.5, \*2, ÷2.5, \*3, ÷3.5

4. **4.2, 2.6, 2.1, 1.3, 1.05, 0.65, 0.525, ?**  
A) 0.315  
B) 0.325  
C) 0.435  
D) 0.465  
E) 0.535

Answer & Explanation

**B) 0.325**

**Explanation:**

It is a double series:

÷0.5 :- 4.2, 2.1, 1.05, 0.525

÷0.5 :- 2.6, 1.3, 0.65, ?

5. **5, 9, 36, 208, 1398, ?**  
A) 7392

- B) 14378
- C) 12542
- D) 6448
- E) 11472

Answer & Explanation

**E) 11472**

**Explanation:**

$$[5+2^2] \times 1 = 9$$

$$[9+3^2] \times 2 = 36$$

$$[36+4^2] \times 4 = 208$$

$$[208+5^2] \times 6 = 1398$$

$$[1398+6^2] \times 8 = 11472$$

6. **4, 3, 12, 6, 36, 9, 108, 12, ?**
- A) 324
  - B) 252
  - C) 156
  - D) 182
  - E) 236

Answer & Explanation

**A) 324**

**Explanation:**

It is a double series.

\*3 :- 4, 12, 36, 108

+3 :- 3, 6, 9, 12

7. **2, 7, 29, 85, 192, ?**
- A) 385
  - B) 213
  - C) 264
  - D) 367
  - E) None of these

Answer & Explanation

**D) 367**

**Explanation:**

It is a double difference series:

$$7-2 = 5, 29-7 = 22, 85-29 = 56, 192-85 = 107$$

$$22-5 = 17, 56-22 = 34, 107-56 = 51$$

$$\text{So next } [(51+17)+107]+192$$

8. **15, 27, 44, 66, 93, ?**

- A) 136
- B) 125
- C) 154
- D) 165
- E) 193

Answer & Explanation

**B) 125**

**Explanation:**

$$15 + 12 = 27$$

$$27 + (12+5) = 27 + 17 = 44$$

$$44 + (17+5) = 44 + 22 = 66$$

$$66 + (22+5) = 93$$

9. **120, 170, 224, 280, 360, ?**

- A) 392
- B) 442
- C) 458
- D) 528
- E) 540

Answer & Explanation

**B) 442**

**Explanation:**

$$11^2 - 1 = 120$$

$$13^2 + 1 = 170$$

$$15^2 - 1 = 224$$

$$17^2 + 1 = 280$$

$$19^2 - 1 = 360$$

$$21^2 + 1 = 442$$

10. **9, 9, 18, 54, 162, 324, ?**

- A) 428
- B) 404
- C) 386
- D) 422
- E) None of these

Answer & Explanation

**E) None of these**

**Explanation:**

$$*1, *2, *3, *3, *2, *1$$

1. **1, 11, 38, 78, 175, 301**

A.11

B.78

C.175

D.301

E.None of these

Answer & Explanation

Answer – **B.78**

**Explanation :**

$$1+3^2+1 = 11$$

$$11+5^2+2 = 38$$

$$38+7^2+3 = 90$$

$$90+9^2+4 = 175$$

$$175+11^2+5 = 301$$

2. **7, 39, 85, 179, 211, 369, 879**

A.369

B.211

C.179

D.879

E.None of these

Answer & Explanation

Answer – **D.879**

**Explanation :**

$$7*2+3 = 17$$

$$17*2+5 = 39$$

$$39*2+7 = 85$$

$$85*2+9 = 179$$

$$179*2+11 = 369$$

$$369*2+13 = 751$$

3. **5, 8.5, 54.5, 90.25, 250.25, 125.125**

A.90.25

B.8.5

C.250.25

D.125.125

E.None of these

Answer & Explanation

Answer – **A.90.25**

**Explanation :**



$$5*0.5 = 2.5+6 = 8.5$$
$$8.5*5 = 42.5+12 = 54.5$$
$$54.5*0.5 = 27.25+18 = 45.25$$
$$45.25*5 = 226.25+24 = 250.25$$
$$250.25*0.5 = 125.125$$

4. **65, 91, 13, 45.5, 2.6, 30.50, 0.52, 11.375**

A.11.375  
B.2.6  
C.30.50  
D.0.52  
E.None of these

Answer & Explanation

Answer – **C.30.50**

**Explanation :**

$$65*0.2 = 13$$
$$91/2 = 45.5$$
$$13*0.2 = 2.6$$
$$45.5/2 = 22.75$$
$$2.6*0.2 = 0.52$$
$$22.75/2 = 11.375$$

5. **4, 100, 296, 654, 988, 1484**

A.296  
B.1484  
C.988  
D.654  
E.None of these

Answer & Explanation

Answer –**D.654**

**Explanation :**

$$4+96 = 100$$
$$100+196 = 296$$
$$296+296 = 592$$
$$592+396 = 988$$
$$988+496 = 1484$$

6. **163, 86.5, 98.5, 159.75, 339.5, 873.5**

A.98.5  
B.163  
C.339.5

- D.873.5
- E.None of these

Answer & Explanation

Answer – **A.98.5**

**Explanation :**

$$163*0.5+5 = 86.5$$

$$86.5*1+10 = 96.5$$

$$96.5*1.5+15 = 159.75$$

$$159.75*2+20 = 339.5$$

$$339.5*2.5+25 = 873.75$$

7. **2, 20, 30, 72, 90, 140, 182**

- A.72
- B.140
- C.182
- D.30
- E.None of these

Answer & Explanation

Answer – **B.140**

**Explanation :**

$$2^2 - 2 = 2$$

$$4^2 + 4 = 20$$

$$6^2 - 6 = 30$$

$$8^2 + 8 = 72$$

$$10^2 - 10 = 90$$

$$12^2 + 12 = 156$$

$$14^2 - 14 = 182$$

8. **342, 512, 728, 999, 1330, 1727**

- A.512
- B.999
- C.1330
- D.1727
- E.None of these

Answer & Explanation

Answer – **A.512**

**Explanation :**

$$7^3 - 1 = 342$$

$$8^3 - 1 = 511$$

$$9^3 - 1 = 728$$

$$10^3 - 1 = 999$$
$$11^3 - 1 = 1330$$
$$12^3 - 1 = 1727$$

9. **17, 23, 40, 63, 103, 166, 329, 435**  
A.435  
B.166  
C.329  
D.103  
E.None of these

Answer & Explanation

Answer – **C.329**

**Explanation :**

$$17+23 = 40$$
$$23+40 = 63$$
$$40+63 = 103$$
$$63+103 = 166$$
$$103+166 = 269$$
$$166+269 = 435$$

10. **531, 552, 535, 514, 531, 552, 535**  
A.514  
B.552  
C.535  
D.531  
E.None of these

Answer & Explanation

Answer – **E.None of these**

**Explanation :**

$$531+21 = 552$$
$$552-17 = 535$$
$$535-21 = 514$$
$$514+17 = 531$$
$$531+21 = 552$$
$$552-17 = 535$$

1. **540, 272.5, ? , 141.25, 78.125, 49.06**  
A.160.25  
B.141.25  
C.90.50  
D.210.75  
E.None of these

Answer & Explanation

Answer – **B.141.25**

**Explanation :**

$$(540+5)/2 = 272.5$$

$$(272.5+10)/2 = 141.25$$

$$(141.25+15)/2 = 78.125$$

$$(78.125+20)/2 = 49.0625$$

2. **2340, 1172, 590, 301, ?**  
A.201.50  
B.160.6  
C.158.5  
D.124.05  
E.None of these

Answer & Explanation

Answer – **C.158.5**

**Explanation :**

$$2340 \div 2 = 1170 + 2 = 1172$$

$$1172 \div 2 = 586 + 4 = 590$$

$$590 \div 2 = 295 + 6 = 301$$

$$301 \div 2 = 150.5 + 8 = 158.5$$

3. **5, 136, ? , 8768, 88680**  
A.1032  
B.1356  
C.1562  
D.2450  
E.None of these

Answer & Explanation

Answer – **A.1032**

**Explanation :**

$$5 * 2 + 2^3 = 18$$

$$18 * 4 + 4^3 = 136$$

$$136 * 6 + 6^3 = 1032$$

$$1032*8+8^3 = 8768$$
$$8768*10+10^3 = 88680$$

4. **19, 21, 45, 139, ?, 2811**  
A.1780  
B.786  
C.1290  
D.561  
E.None of these

Answer & Explanation

Answer – **D.561**

**Explanation :**

$$19*1+2 = 21$$

$$21*2+3 = 45$$

$$45*3+4 = 139$$

$$139*4+5 = 561$$

$$561*5+6 = 2811$$

5. **36, 19, 18, 28, 55, 138.5, ?**  
A.234.6  
B.414.5  
C.560.8  
D.643.5  
E.None of these

Answer & Explanation

Answer – **B.414.5**

**Explanation :**

$$36*0.5+1 = 19$$

$$19*1 - 1 = 18$$

$$18*1.5+1 = 28$$

$$28*2-1 = 55$$

$$55*2.5+1 = 138.5$$

$$138.5*3-1 = 414.5$$

6. **78, 126, 468, 198, ? , 670**  
A.1546  
B.2076  
C.1872  
D.1076  
E.None of these

Answer & Explanation

Answer – **C.1872**

**Explanation :**

$$\begin{array}{ll} 78*2 = 156 & 126+8 = 134 \\ 156*3 = 468 & 134+64 = 198 \\ 468*4 = 1872 & 158+512 = 670 \end{array}$$

7. **11, 15, 24, 40, 165, 201, ?**

- A.320
- B.670
- C.987
- D.544
- E.None of these

Answer & Explanation

Answer – **D.544**

**Explanation :**

$$\begin{array}{l} 11+2^2 = 15 \\ 15+3^3 = 24 \\ 24+4^2 = 40 \\ 40+5^3 = 165 \\ 165+6^2 = 201 \\ 201+7^3 = 544 \end{array}$$

8. **167, 83.5, 83.5, 125.25, 250.5, ?, 2630.25**

- A.1240.05
- B.980.50
- C.245.80
- D.751.50
- E.None of these

Answer & Explanation

Answer – **D.751.50**

**Explanation :**

$$\begin{array}{l} 167*1/2 = 83.5 \\ 83.5*2/2 = 83.5 \\ 83.5*3/2 = 125.25 \\ 125.25*4/2 = 250.5 \\ 250.5*6/2 = 751.5 \\ 751.5*7/2 = 2630.25 \end{array}$$

9. **4320, 4327, 2173.5, 6533.5, ?**

- A.1649.48
- B.2198.82
- C.1960.5

- D.3650.5
- E.None of these

Answer & Explanation

Answer – **A.1649.48**

**Explanation :**

$$4320 \times 1 + 7 = 4327$$

$$4327 \div 2 + 10 = 2173.5$$

$$2173.5 \times 3 + 13 = 6533.5$$

$$6533.5 \div 4 + 16 = 1649.48$$

10. **90, 30, 24, ? , 48.72, 88.08**

- A.56.9
- B.45.8
- C.30.6
- D.64.5
- E.None of these

Answer & Explanation

Answer – **C.30.6**

**Explanation :**

$$90 \times 0.3 + 3 = 30$$

$$30 \times 0.6 + 6 = 24$$

$$24 \times 0.9 + 9 = 30.6$$

$$30.6 \times 1.2 + 12 = 48.72$$

$$48.72 \times 1.5 + 15 = 88.08$$

1. **16, 27, 44, 72, 96, 131**

- A.44
- B.72
- C.27
- D.96
- E.None of these

Answer & Explanation

Answer – **B.72**

**Explanation :**

$$16 + 11 = 27$$

$$27 + 17 = 44 \dots (11 + 6 = 17)$$

$$44 + 23 = 67$$

$$67 + 29 = 96$$

$$96 + 35 = 131$$

2. **43 , 52, 34, 61, 89, 70**  
A.89  
B.70  
C.52  
D.61  
E.None of these

Answer & Explanation

Answer – **A.89**

**Explanation :**

$$43+(9*1) = 43+9 = 52$$

$$52-(9*2) = 52-18=34$$

$$34+(9*3) = 34+27 = 61$$

$$61-(9*4) = 61-36 = 25$$

$$25+(9*5) = 25+45 = 70$$

3. **78, 38.5, 56.25, 138.125, 324.25**  
A.56.25  
B.38.5  
C.138.125  
D.324.25  
E.None of these

Answer & Explanation

Answer – **D.324.25**

**Explanation :**

$$78*0.5-0.5 = 38.5$$

$$38.5*1.5-1.5 = 56.25$$

$$56.25*2.5-2.5 = 138.125$$

$$138.125*3.5-3.5 = 479.94$$

4. **512, 514, 528, 556, 612**  
A.556  
B.612  
C.514  
D.528  
E.None of these

Answer & Explanation

Answer – **D.528**

**Explanation :**

$$512 + 2 = 514$$

$$514+12 = 526.....(12-2 =10+8 = 18+12 =30)$$



$$526+30 = 556 \dots\dots(18+8 = 26+30 = 56)$$
$$556+56 = 612 = 612$$

5. **157, 169.5, 194.5, 222, 282**

- A.222
- B.282
- C.194.4
- D.169.5
- E.None of these

Answer & Explanation

Answer – **A.222**

**Explanation :**

$$157+12.5 = 169.5$$
$$169.5+25 = 194.5$$
$$194.5+37.5 = 232$$
$$232+50 = 282$$

6. **213, 220, 337, 697, 1761.5**

- A.337
- B.697
- C.1761.25
- D.220
- E.None of these

Answer & Explanation

Answer – **A.337**

**Explanation :**

$$213*1+7 = 220$$
$$220*1.5+11 = 330+11 = 341$$
$$341*2+15 = 682+15 = 697$$
$$697*2.5+19 = 1742.5+19 = 1761.5$$

7. **3, 14, 23, 34, 47, 65**

- A.23
- B.34
- C.47
- D.65
- E.None of these

Answer & Explanation

Answer – **D.65**

**Explanation :**

$$\begin{aligned}1*2+1 &= 2+1 = 3 \\3*4+2 &= 12+2 = 14 \\4*5+3 &= 20+3 = 23 \\5*6+4 &= 30+4 = 34 \\6*7+5 &= 42+5 = 47 \\7*8+6 &= 56+6 = 62\end{aligned}$$

8. **13, 29.5, 121.5, 732.5, 5863.5**  
A.5863.5  
B.732.5  
C.121.5  
D.29.5  
E.None of these

Answer & Explanation

Answer – **E.None of these**

**Explanation :**

$$\begin{aligned}13*2+3.5 &= 26+3.5 = 29.5 \\29.5*4+3.5 &= 118+3.5 = 121.5 \\121.5*6+3.5 &= 729+3.5 = 732.5 \\732.5*8+3.5 &= 5860+3.5 = 5863.5\end{aligned}$$

9. **6, 12, 36, 96, 192, 384**  
A.36  
B.96  
C.192  
D.384  
E.None of these

Answer & Explanation

Answer – **A.36**

**Explanation :**

$$\begin{aligned}6*2^0 &= 6 \\6*2^1 &= 12 \\6*2^3 &= 48 \\6*2^4 &= 96 \\6*2^5 &= 192 \\6*2^6 &= 384\end{aligned}$$

10. **72, 73.4, 144, 436.2, 1739.2, 8689**  
A.144  
B.8689  
C.436.2

- D.11739.2
- E.None of these

Answer & Explanation

Answer – **B.8689**

**Explanation :**

$$72*1+1.4 = 73.4$$

$$73.4*2-2.8 = 144$$

$$144*3+4.2 = 436.2$$

$$436.2*4-5.6 = 1739.2$$

$$1739.2*5+7 = 8703$$

1. **67, 68, 64, 73 , ?**  
A)57  
B)53  
C)65  
D)73

Answer & Solution

Answer – **A)57**

**Solution:**

$$67+1^2 = 67+1 = 68$$

$$68-2^2 = 68-4 = 64$$

$$64+3^2 = 64+9 = 73$$

$$73-4^2 = 73-16 = 57$$

2. **131, 138, 154, 188 ?**  
A)243  
B)249  
C)224  
D)232

Answer & Solution

Answer – **B)249**

**Solution:**

$$131+7 = 138.....(7)$$

$$138+16 = 154.....(7+9 = 16)$$

$$154+34 = 188.....(16+18 = 34)$$

$$188+61 = 249.....(34+27 = 61)$$

3. **657, 679, 712, 756, ?**  
A)814  
B)824

- C)811
- D)921

Answer & Solution

Answer – C)811

**Solution:**

$$657+22 = 679$$

$$679+33 = 712$$

$$712+44 = 756$$

$$756+55 = 811$$

4. **27, 54, 324, 5832, ?**
- A) 341982
  - B) 314892
  - C) 341928
  - D) 314928

Answer & Solution

Answer – D) 314928

**Solution:**

$$27*2=54$$

$$54*6 = 324 \dots (2*3 = 6)$$

$$324*18 = 5832 \dots (6*3)$$

$$5832*54 = 314928 \dots (18*3=54)$$

5. **39, 40, 162, 1461, ?**
- A)37231
  - B)23737
  - C)23380
  - D)27733

Answer & Solution

Answer – C)23380

**Solution:**

$$39*1^2+1 = 39+1 = 40$$

$$40*2^2+2 = 40*4+2 = 162$$

$$162*3^2+3 = 162*9+3 = 1461$$

$$1461*4^2+4 = 23380$$

6. **23, 22, 40, 111, ?**
- A)428
  - B)563

- C)462
- D)436

Answer & Solution

Answer – **A)428**

**Solution:**

$$23*1 - 1^2 = 23 - 1 = 22$$

$$22*2 - 2^2 = 44 - 4 = 40$$

$$40*3 - 3^2 = 120 - 9 = 111$$

$$111*4 - 4^2 = 444 - 16 = 428$$

7. **13, 27, 83, 335, ?**
- A)1729
  - B)1679
  - C)1972
  - D)1277

Answer & Solution

Answer – **B)1679**

**Solution:**

$$13*2 + 1 = 27$$

$$27*3 + 2 = 83$$

$$83*4 + 3 = 335$$

$$335*5 + 4 = 1679$$

8. **217, 221, 231, 249, ?**
- A)246
  - B)264
  - C)256
  - D)277

Answer & Solution

Answer – **D)277**

**Solution:**

$$217 + (3^2 - 5) = 217 + 4 = 221$$

$$221 + (4^2 - 6) = 221 + 10 = 231$$

$$231 + (5^2 - 7) = 231 + 18 = 249$$

$$249 + (6^2 - 8) = 249 + 28 = 277$$

9. **156, 76, 150, 73, 144, ?**
- A)75
  - B)86

- C)70
- D)88

Answer & Solution

Answer – **C)70**

**Solution:**

$$156 \div 2 - 2 = 76$$

$$76 * 2 - 2 = 150$$

$$150 \div 2 - 2 = 73$$

$$73 * 2 - 2 = 144$$

$$144 \div 2 - 2 = 70$$

10. **1723, 1602, 1521, 1472, ?**

- A)1447
- B)1432
- C)1471
- D)1747

Answer & Solution

Answer – **A)1447**

**Solution:**

$$1723 - 11^2 = 1723 - 121 = 1602$$

$$1602 - 9^2 = 1602 - 81 = 1521$$

$$1521 - 7^2 = 1521 - 49 = 1472$$

$$1472 - 5^2 = 1472 - 25 = 1447$$

1. **400 240 144 86.4 51.84 31.104 ?**

- A)19.2466
- B)17.2244
- C)16.8824
- D)18.6624
- E)None of these

Answer

Answer – **D)18.6624**

Explanation :Multiply by 0.6

2. **4 6 9 13.5 20.25 30.375 ?**

- A)40.25
- B)45.5625
- C)42.7525
- D)48.5625
- E)None of these

Answer

Answer – **B)45.5625**

Explanation :Multiply by  $3/2$

3. **9 4.5 4.5 6.75 13.5 33.75 ?**  
A)101.25  
B)99.75  
C)105.50  
D)103.75  
E)None of these

Answer

Answer – **A)101.25**

Explanation :

$$9 * 1/2 = 4.5$$

$$4.5 * 1 = 4.5$$

$$4.5 * 3/2 = 6.75$$

$$6.75 * 2 = 13.5$$

$$1.5 * 5/2 = 33.75$$

$$33.75 * 3 = 101.25$$

4. **7413 7422 7440 ? 7503 7548**  
A)7456  
B)7466  
C)7477  
D)7464  
E)None of these

Answer

Answer – **E)None of these**

Explanation : +9,+18,+27,+36,+45

5. **4 8.25 17 34.75 ?**  
A)42.5  
B)70.5  
C)4.5  
D)80  
E)None of these

Answer

Answer – **B)70.5**

Explanation : \*2+0.25, \*2+0.50, \*2+0.75, \*2+1

6. **128 640 983 1199 1324 ?**

- A)1541
- B)1388
- C)1642
- D)1288
- E)None of these

Answer

Answer – **B)1388**

Explanation :  $+8^3,+7^3,+6^3,+5^3,+4^3$

7. **828 424 220 116 ? 33**

- A)62
- B)69
- C)58
- D)64
- E)None of these

Answer

Answer – **A)62**

Explanation :  $828/2 +10, 424/2 +8, 220/2+6, 116/2+4$

8. **123 366 ? 3282 9843**

- A)1867
- B)1104
- C)1467
- D)1095
- E)None of these

Answer

Answer – **D)1095**

Explanation :  $*3-3.....$

9. **27 17 ? 4292 237.5 718.5**

- A)58
- B)66
- C)84
- D)23
- E)None of these

Answer



Answer – **D)23**

Explanation :

$$27*0.5+0.5*7=17$$

$$17*1+1*6=23$$

$$23*1.5+1.5*5=42$$

$$42*2+2*4=92$$

10. **522 1235 2661 4800 7652 11217 ?**

A)15495

B)16208

C)14782

D)16991

E)None of these

Answer

Answer – **A)15495**

Explanation :  $+1*713, +2*713, +3*713, +4*713, +5*713, +6*713$

1. **15, 18, 24, 35, 53, ?**

A)63

B)80

C)74

D)98

E)None of these

Answer

Answer – **B)80**

Explanation :

$$15+3 = 18$$

$$18+(3+3) = 24$$

$$24+(6+5) = 35$$

$$35+(11+7) = 53$$

$$53+(18+9) = 80$$

2. **43, 68, 168, 393, 793, ?**

A)1418

B)865

C)964

D)1278

E)None of these

Answer

Answer – **A)1418**

Explanation :

$$43+5^2 = 68$$

$$68+10^2 = 168$$

$$168+15^2 = 393$$

$$393+20^2 = 793$$

$$793+25^2 = 1418$$

3. **456, 232, 120, 64, 36, ?**

A)8

B)30

C)22

D)12

E)None of these

Answer

Answer – **C)22**

Explanation :

$$456-224 = 232$$

$$232 - (224/2) = 120$$

$$120 - (112/2) = 64$$

$$64 - (56/2) = 36$$

$$36 - (28/2) = 22$$

4. **3, 5, 15, 65, 315, ?**

A)985

B)755

C)1234

D)1565

E)None of these

Answer

Answer – **D)1565**

Explanation :

$$3*5-10 = 15-10 = 5$$

$$5*5-10 = 25-10 = 15$$

$$15*5-10 = 75-10 = 65$$

$$65*5-10 = 325-10 = 315$$

$$315*5-10 = 1565$$

5. **5, 7.5, 11.25, 16.87, ?**

A)35.45

B)19.65

C)22.60

- D)25.30
- E)None of these

Answer

Answer – **D)25.30**

Explanation :

$$5 * 3/2 = 7.5$$

$$7.5 * 3/2 = 11.25$$

$$11.25 * 3/2 = 16.87$$

$$16.87 * 3/2 = 25.30$$

6. **300, 120, 48, 19.2, 7.68, ?**

A)15.89

B)10.56

C)3.072

D)0.756

E)None of these

Answer

Answer – **C)3.072**

Explanation :

$$300 * 0.4 = 120$$

$$120 * 0.4 = 48$$

$$48 * 0.4 = 19.2$$

$$19.2 * 0.4 = 7.68$$

$$7.68 * 0.4 = 3.072$$

7. **11, 5.5, 1.375, 0.172, ?**

A)0.0108

B)1.754

C)0.0126

D)0.235

E)None of these

Answer

Answer – **A)0.0108**

Explanation :

$$11 * 1/2 = 5.5$$

$$5.5 * 1/4 = 1.375$$

$$1.375 * 1/8 = 0.172$$

$$0.172 * 1/16 = 0.0108$$

8. **129, 25.8, 10.32, 8.256, ?**

- A)5.42
- B)10.53
- C)13.21
- D)23.96
- E)None of these

Answer

Answer – **C)13.21**

Explanation :

$$129*0.2 = 25.8$$
$$25.8*0.4 = 10.32$$
$$10.32*0.8=8.256$$
$$8.256*1.6 =13.21$$

9. **65, 132, 262, 526, 1050, ?**

- A)2421
- B)1465
- C)1907
- D)2102
- E)None of these

Answer

Answer – **D)2102**

Explanation :

$$65*2+2 =132$$
$$132*2-2 = 262$$
$$262*2+2 = 526$$
$$526*2-2 = 1050$$
$$1050*2+2 = 2102$$

10. **39, 23, 15, 11, 9, ?**

- A)8
- B)2
- C)7
- D)5
- E)None of these

Answer

Answer – **A)8**

Explanation :

$$39-16=23$$
$$23-8=15$$

$$15-4=11$$
$$11-2=9$$
$$9-1=8$$

1. **3, 14, 67, 330, ?**  
A)1879  
B)1643  
C)1245  
D)1678  
E)None of these

Answer

**B)1643**

Explanation :

$$3*5-1 = 14$$

$$14*5 - 3 = 67$$

$$67*5-5 = 330$$

$$330*5-7 = 1643$$

2. **17, 17, 34, 136, ?**  
A)2345  
B)3214  
C)1088  
D)1546  
E)None of these

Answer

**C)1088**

Explanation :

$$17*1 = 17$$

$$17*2 = 34$$

$$34*4 = 136$$

$$136*8 = 1088$$

3. **5, 8, 12, 16, ?**  
A)24  
B)54  
C)36  
D)16  
E)None of these

Answer

**D)16**

Explanation :

$$(5*2) - 2 = 8$$

$$(8*2) - 4 = 12$$

$$(12*2) - 8 = 16$$

$$(16*2) - 16 = 16$$

4. **124, 115,140, 131,156, 147, ?**

A)172

B)168

C)159

D)181

E)None of these

Answer

**A)172**

Explanation :

$$124 - 9 = 115$$

$$115 + 25 = 140$$

$$140 - 9 = 131$$

$$131 + 25 = 156$$

$$156 - 9 = 147$$

$$147 + 25 = 172$$

5. **672, 681, 663, 672, 654, ?**

A)675

B)643

C)663

D)687

E)None of these

Answer

**C)663**

Explanation :

$$672 + 9 = 681$$

$$681 - 18 = 663$$

$$663 + 9 = 672$$

$$672 - 18 = 654$$

$$654 + 9 = 663$$

6. **122, 73, 110, 305, ?**

A)1540

B)1234

C)1406

- D)1204
- E)None of these

Answer

**D)1204**

Explanation :

$$(122*1) - 49 = 73$$

$$(73*2) - 36 = 110$$

$$(110*3) - 25 = 305$$

$$(305*4) - 16 = 1204$$

7. **346, 173, 259.5, 648.75, ?**

A)1560.54

B)2270.62

C)1450.25

D)2125.75

E)None of these

Answer

**B)2270.62**

Explanation :

$$(346 \div 2) * 1 = 173$$

$$(173 \div 2) * 3 = 259.5$$

$$(259.5 \div 2) * 5 = 648.75$$

$$(648.75 \div 2) * 7 = 2270.62$$

8. **19, 21.5, 151.5, ?**

A)326.9

B)432.4

C)570.6

D)616

E)None of these

Answer

**D)616**

Explanation :

$$19*1 + 2.5 = 21.5$$

$$21.5*2 + 5 = 48$$

$$48*3 + 7.5 = 151.5$$

$$151.5*4 + 10 = 616$$

9. **731, 769, 845, 959, ?**

A)1111

- B)1234
- C)1076
- D)1305
- E)None of these

Answer

**A)1111**

Explanation :

$$731 + 38 = 769$$

$$769 + 76 = 845$$

$$845 + 114 = 959$$

$$959 + 152 = 1111$$

10. **21, 33, 102, 463.5 ?**

- A)2787
- B)1245
- C)1678
- D)2134
- E)None of these

Answer

**A)2787**

Explanation :

$$(21 * 1.5) + 1.5 = 33$$

$$(33 * 3) + 3 = 102$$

$$(102 * 4.5) + 4.5 = 463.5$$

$$(463.5 * 6) + 6 = 2787$$

1. **7,9,15,27, ?**

- A)74
- B)47
- C)63
- D)59
- E)None of these

Answer

**B)47**

Explanation :

$$7 + (1^2 + 1) = 7 + 2 = 9$$

$$9 + (2^2 + 2) = 9 + 6 = 15$$

$$15 + (3^2 + 3) = 15 + 12 = 27$$

$$27 + (4^2 + 4) = 27 + 20 = 47$$



2. **63, 64.8, 67, 69.6, ?**  
A)91.4  
B)81.2  
C)72.6  
D)76.3  
E)None of these

Answer

**C)72.6**

Explanation :

$$63+1.8 = 64.8$$

$$64.8+2.2 = 67$$

$$67+2.6 = 69.6$$

$$69.6+3 = 72.6$$

3. **19, 36, 70, 121, ?**  
A)234  
B)197  
C)213  
D)189  
E)None of these

Answer

**D)189**

Explanation :

$$19+17 = 36$$

$$36+34 = 70$$

$$70+51 = 121$$

$$121+68 = 189$$

4. **121, 120, 116, 107, 91, ?**  
A)73  
B)45  
C)53  
D)66  
E)None of these

Answer

**D)66**

Explanation :

$$121 - 1^2 = 121 - 1 = 120$$

$$120 - 2^2 = 120 - 4 = 116$$

$$116 - 3^2 = 116 - 9 = 107$$

$$107 - 4^2 = 107 - 16 = 91$$
$$91 - 5^2 = 91 - 25 = 66$$

5. **213, 217, 210, 214, 207, 211, ?**

- A)215
- B)245
- C)204
- D)323
- E)None of these

Answer

**C)204**

Explanation :

$$213 + 4 = 217$$

$$217 - 7 = 210$$

$$210 + 4 = 214$$

$$214 - 7 = 207$$

$$207 + 4 = 211$$

$$211 - 7 = 204$$

6. **816, 812, 404, 1200, 299, ?**

- A)1324
- B)1475
- C)1275
- D)1534
- E)None of these

Answer

**B)1475**

Explanation :

$$(816 - 4) * 1 = 812$$

$$(812 - 4) \div 2 = 404$$

$$(404 - 4) * 3 = 1200$$

$$(1200 - 4) \div 4 = 299$$

$$(299 - 4) * 5 = 1475$$

7. **124, 120.5, 113.5, 103, 89, ?**

- A)78.4
- B)65.4
- C)71.5
- D)81.5
- E)None of these

Answer

**C)71.5**

Explanation :

$$124 - 3.5 = 120.5$$

$$120.5 - 7 = 113.5$$

$$113.5 - 10.5 = 103$$

$$103 - 14 = 89$$

$$89 - 17.5 = 71.5$$

8. **725, 724, 716, 689, 625, ?**

A)750

B)528

C)465

D)500

E)None of these

Answer

**D)500**

Explanation :

$$725 - 1^3 = 724$$

$$724 - 8 = 716$$

$$716 - 27 = 689$$

$$689 - 64 = 625$$

$$625 - 125 = 500$$

9. **17, 22.5, 50.5, 157, 633.5, ?**

A)3173

B)2345

C)1347

D)2457

E)None of these

Answer

**A)3173**

Explanation :

$$17 * 1 + 5.5 = 22.5$$

$$22.5 * 2 + 5.5 = 50.5$$

$$50.5 * 3 + 5.5 = 157$$

$$157 * 4 + 5.5 = 633.5$$

$$633.5 * 5 + 5.5 = 3173$$

10. **2, 13, 35, 79, 167, ?**

A)416

B)343

C)321

- D)257
- E)None of these

Answer

**B)343**

Explanation :

$$2+11 = 13$$

$$13+22 = 35$$

$$35+44 = 79$$

$$79+88 = 167$$

$$167+176 = 343$$

1. **23, 29, 46, 156, ?**

A)607

B)600

C)591

D)584

E)None of these

Answer

**B)600**

Explanation :

$$23*1+6 = 29$$

$$29*2-12 = 46$$

$$46*3+18 = 156$$

$$156*4-24 = 600$$

2. **6, 17, 56, 201, ?**

A)408

B)536

C)663

D)848

E)None of these

Answer

**D)848**

Explanation :

$$(6+11)*1 = 17$$

$$(17+11)*2 = 56$$

$$(56+11)*3 = 201$$

$$(201+11)*4 = 848$$

3. **57, 59.5, 54.5, 47, 57, ?**  
A)44.5  
B)31.5  
C)65.5  
D)55.5  
E)None of these

Answer

**A)44.5**

Explanation :

$$57+2.5 = 59.5$$

$$59.5 - 5 = 54.5$$

$$54.5-7.5 = 47$$

$$47+10 = 57$$

$$57-12.5 = 44.5$$

4. **2, 6, 30, 260, ?**  
A)1240  
B)2340  
C)3130  
D)3000  
E)None of these

Answer

**C)3130**

Explanation :

$$1+1^1 = 1+1 = 2$$

$$2+2^2 = 2+4 = 6$$

$$3+3^3 = 3+27 = 30$$

$$4+4^4 = 4+256 = 260$$

$$5+5^5 = 3125+5 = 3130$$

5. **4356, 2180, 1092, 548, ?**  
A)276  
B)356  
C)476  
D)654  
E)None of these

Answer

**A)276**

Explanation :

$$(4356 \div 2) + 2 = 2180$$

$$(2180 \div 2) + 2 = 1092$$
$$(1092 \div 2) + 2 = 548$$
$$(548 \div 2) + 2 = 276$$

6. **125, 132, 147, 178, ?**

- A)212
- B)233
- C)324
- D)302
- E)None of these

Answer

**B)233**

Explanation :

$$125 + 7 = 132$$

$$132 + 15 = 147 \dots\dots\dots(7 + 8 = 15)$$

$$147 + 31 = 178 \dots\dots\dots(15 + 16 = 31)$$

$$178 + 55 = 233 \dots\dots\dots(31 + 24 = 55)$$

7. **29, 13.5, 15.5, 20.25, ?**

- A)29.5
- B)38.5
- C)35
- D)44.5
- E)None of these

Answer

**D)44.5**

Explanation :

$$29 * 0.5 - 1 = 13.5$$

$$13.5 * 1 + 2 = 15.5$$

$$15.5 * 1.5 - 3 = 20.25$$

$$20.25 * 2 + 4 = 44.5$$

8. **314, 322, 329, 343, 353, ?**

- A)364
- B)375
- C)388
- D)400
- E)None of these

Answer

**A)364**

Explanation :

$$314+3+1+4 = 322$$

$$322+3+2+2 = 329$$

$$329+3+2+9 = 343$$

$$343+3+4+3 = 353$$

$$353+3+5+3 = 364$$

9. **601, 603, 609, 621, 641, ?**

A)671

B)687

C)661

D)659

E)None of these

Answer

**A)671**

Explanation :

$$601+(1*2) = 603$$

$$603+(2*3) = 609$$

$$609+(3*4) = 621$$

$$621+(4*5) = 641$$

$$641+(5*6) = 671$$

10. **54, 55, 63, 90, 154, ?**

A)265

B)321

C)254

D)279

E)None of these

Answer

**D)279**

Explanation :

$$54+1^3 = 54+1 = 55$$

$$55+2^3 = 55+8 = 63$$

$$63+3^3 = 63+27 = 90$$

$$90+4^3 = 90+64 = 154$$

$$154+5^3 = 154+125 = 279$$

1. **63, 66, 138, 423, 1704**

**34, a, b, c, d...Find the value of C**

A)327

B)80

- C)249
- D)256

Answer

**C)249**

Explanation :

$$\begin{array}{ll} 63*1+3 = 66 & 34*1+3 = 37 \\ 66*2+6 = 138 & 37*2+6 = 80 \\ 138*3+9 = 423 & 80*3+9 = 249 \\ 423*4+12 = 1704 & \end{array}$$

2. **173, 86.5, 216.25, 72.08,252.3**  
**234,p,q,r,s,t.....Find the value of Q**  
A)237.8  
B)292.5  
C)342.9  
D)126.8

Answer

**B)292.5**

Explanation :

$$\begin{array}{ll} 173 \div 2 = 86.5 & 234 \div 2 = 117 \\ 86.5 * 2.5 = 216.25 & 117 * 2.5 = 292.5 \\ 216.25 \div 3 = 72.08 & \\ 72.08 * 3.5 = 252.3 & \end{array}$$

3. **564, 221, 437, 312...**  
**1234,m,n,o,p.....Find the value of O**  
A)876  
B)956  
C)1029  
D)918

Answer

**D)918**

Explanation :

$$\begin{array}{ll} 564 - 343 = 221 & \dots\dots 1234 - 343 = 891 \\ 221 + 216 = 437 & \quad 891 + 216 = 1107 \\ 437 - 125 = 312 & \quad 1107 - 125 = 982 \\ 982 - 64 = 918 & \end{array}$$

4. **132,182,240, 306**  
**992,a,b,c,d.....Find the value of c**



- A)1879
- B)1290
- C)1450
- D)1260

Answer

**D)1260**

Explanation :

$121+11 = 132$	$961+31 = 992$
$169+13 = 182$	$1089+33 = 1122$
$225+15 = 240$	$1225+35 = 1260$
$289+17 = 306$	

5. **987, 207.4, 2069, 423.8.....**  
**145,l,k,j.....Find the value of l**
- A)45
  - B)39
  - C)289
  - D)165

Answer

**B)39**

Explanation :

$987 \div 5 + 10 = 207.4$	$145 \div 5 + 10 = 39$
$207.4 * 10 - 5 = 2069$	
$2069 \div 5 + 10 = 423.8$	

6. **5, 7.5, 22.5, 101.25**  
**93,a,b,c,d.....Find the value of d**
- A)1289.6
  - B)1578.5
  - C)1987.6
  - D)1883.25

Answer

**D)1883.25**

Explanation :

$5 * 1.5 = 7.5$	$93 * 1.5 = 139.5$
$7.5 * 3 = 22.5$	$139.5 * 3 = 418.5$
$22.5 * 4.5 = 101.25$	$418.5 * 4.5 = 1883.25$

7. **216, 215,214,210,202**  
**63,r,s,t,u,....Find the value of U**

- A)83
- B)90
- C)49
- D)57

Answer

**C)49**

Explanation :

$216 - 1^2 = 215$	$63 - 1^2 = 62$
$215 - 1^3 = 214$	$62 - 1^3 = 61$
$214 - 2^2 = 210$	$61 - 2^2 = 57$
$210 - 2^3 = 202$	$57 - 2^3 = 49$

8. **7,7,14,42,126,252,252**  
**123,u,v,w,x,y,z.....Find the value of x**
- A)2865
  - B)1654
  - C)3245
  - D)2214

Answer

**D)2214**

Explanation :

$7*1 = 7$	$123*1 = 123$
$7*2 = 14$	$123*2 = 246$
$14*3 = 42$	$246*3 = 738$
$42*3 = 126$	$738*3 = 2214$
$126*2 = 252$	
$252*1 = 252$	

9. **147,153,165,189,237**  
**652,a,b,c,d.....find the value of d**
- A)954
  - B)742
  - C)987
  - D)876

Answer

**B)742**

Explanation :

$147+6 = 153$	$652+6 = 658$
$153+12 = 165$	$658+12 = 670$

$$165+24 = 189 \quad 670+24 = 694$$
$$189+48 = 237 \quad 694+48 = 742$$

10. **754,564,190,543,327,216**

**189,a,78,145,65,b.....find the value of a**

- A)111
- B)123
- C)134
- D)254

Answer

**A)111**

Explanation :

$$754 - 564 = 190 \quad 189 - 78 = 111$$

$$543 - 327 = 216$$

1. **110, 90, 72, 56, ?**

- A)45
- B)42
- C)35
- D)30

Answer

**B)42**

Explanation :

$$11^2 - 11 = 110$$

$$10^2 - 10 = 90$$

$$9^2 - 9 = 72$$

$$8^2 - 8 = 56$$

$$7^2 - 7 = 42$$

2. **210, 420,1050,3150, ?**

- A)11025
- B)5690
- C)7654
- D)9876

Answer

**A)11025**

Explanation :

$$210 * 2 = 420$$

$$420 * 2.5 = 1050$$

$$1050 \times 3 = 3150$$
$$3150 \times 3.5 = 11025$$

3. **165, 164, 163, 159, 151, ?**

- A)156
- B)145
- C)142
- D)150

Answer

**C)142**

Explanation :

$$165 - 1^2 = 164$$

$$164 - 1^3 = 163$$

$$163 - 2^2 = 159$$

$$159 - 2^3 = 151$$

$$151 - 3^2 = 142$$

4. **658, 1315, 2627, 5249, ?**

- A)11670
- B)8480
- C)7680
- D)10491

Answer

**D)10491**

Explanation :

$$658 \times 2 - 1 = 1315$$

$$1315 \times 2 - 3 = 2627$$

$$2627 \times 2 - 5 = 5249$$

$$5249 \times 2 - 7 = 10491$$

5. **67, 68, 138, 417, 1672, ?**

- A)8365
- B)8670
- C)6578
- D)5400

Answer

**A)8365**

Explanation :

$$67 \times 1 + 1 = 68$$

$$68 \times 2 + 2 = 138$$

$$138*3+3 = 417$$
$$417*4+4 = 1672$$
$$1672*5+5 = 8365$$

6. **1011, 980, 951, 924, 899, ?**

- A)874
- B)876
- C)808
- D)796

Answer

**B)876**

Explanation :

$$1011 - 31 = 980$$
$$980 - 29 = 951$$
$$951 - 27 = 924$$
$$924 - 25 = 899$$
$$899 - 23 = 876$$

7. **123, 60.27, 21.70, 5.42, ?**

- A)0.087
- B)2.7
- C)0.87
- D)1.67

Answer

**C)0.87**

Explanation :

$$123*0.7*0.7 = 60.27$$
$$60.27*0.6*0.6 = 21.70$$
$$21.70*0.5*0.5 = 5.42$$
$$5.42*0.4*0.4 = 0.87$$

8. **321, 53.5, 21.4, 16.05, ?**

- A)5.4
- B)13.6
- C)10.9
- D)21.4

Answer

**D)21.4**

Explanation :

$$321*1/6 = 53.5$$

$$53.5 * 2/5 = 21.4$$
$$21.4 * 3/4 = 16.05$$
$$16.05 * 4/3 = 21.4$$

9. **11, 522, 102.2, 22, 456, ?**

- A) 98.7
- B) 69.8
- C) 86.8
- D) 76.5

Answer

**C) 86.8**

Explanation :

$$522 - 11 = 511/5 = 102.2$$

$$456 - 22 = 434/5 = 86.8$$

10. **5640, 2820, 1410, 705, ?**

- A) 362.5
- B) 345.7
- C) 352.5
- D) 367

Answer

**C) 352.5**

Explanation :

$$5640 - (5640/2) = 2820$$

$$2820 - (2820/2) = 1410$$

$$1410 - (1410/2) = 705$$

$$705 - (705/2) = 352.5$$

1. **5, 15, 65, 315, ?**

- A) 1556
- B) 1565
- C) 1665
- D) 1656

Answer

**B) 1565**

Explanation :

$$5 * 5 - 10 = 25 - 10 = 15$$

$$15 * 5 - 10 = 75 - 10 = 65$$

$$65 * 5 - 10 = 325 - 10 = 315$$

$$315 * 5 - 10 = 1575 - 10 = 1565$$

2. **460, 92, 36.8, 22.08, ?**

A)17.664

B)18.44

C)16.33

D)10.56

Answer

**A)17.664**

Explanation :

$$460*(1/5) = 92$$

$$92*(2/5) = 36.8$$

$$36.8*(3/5) = 22.08$$

$$22.08*(4/5) = 17.664$$

3. **1023, 987, 915, 807, ?**

A)563

B)543

C)636

D)663

Answer

**D)663**

Explanation :

$$1023 - 36 = 987$$

$$987 - 72 = 915$$

$$915 - 108 = 807$$

$$807 - 144 = 663$$

4. **16, 33, 69, 126, ?**

A)257

B)246

C)206

D)298

Answer

**C)206**

Explanation :

$$16+(16*1+1) = 16+17 = 33$$

$$33+(17*2+2) = 33 + 36 = 69$$

$$69+(18*3+3) = 69+57 = 126$$

$$126+(19*4+4) = 126+ 80 = 206$$

5. **76, 517, 878, 1167, ?**

A)1392

B)1932

C)1832

D)1672

Answer

**A)1392**

Explanation :

$$76 + 21^2 = 76 + 441 = 517$$

$$517 + 19^2 = 517 + 361 = 878$$

$$878 + 17^2 = 878 + 289 = 1167$$

$$1167 + 15^2 = 1167 + 225 = 1392$$

6. **300, 150, 90, 63, ?**

A)54.5

B)45.6

C)50.4

D)34.6

Answer

**C)50.4**

Explanation :

$$300 * 0.5 = 150$$

$$150 * 0.6 = 90$$

$$90 * 0.7 = 63$$

$$63 * 0.8 = 50.4$$

7. **8, 4, 4, 6, 12, ?**

A)39

B)27

C)24

D)30

Answer

**D)30**

Explanation :

$$8 * (1/2) = 4$$

$$4 * (1) = 4$$

$$4 * (3/2) = 6$$

$$6 * (2) = 12$$

$$12 * (5/2) = 30$$



8. **69, 77.28, 86.55, 96.936, ?**

- A)102.546
- B)108.568
- C)105.675
- D)119.876

Answer

**B)108.568**

Explanation :

$$69 + (12 \cdot 69 / 100) = 69 + 8.28 = 77.28$$

$$77.28 + (12 \cdot 77.28 / 100) = 77.28 + 9.27 = 86.55$$

$$86.55 + (12 \cdot 86.55 / 100) = 86.55 + 10.386 = 96.936$$

$$96.936 + 11.632 = 108.568$$

9. **980, 147, 28, 11, 8.57, ?**

- A)12.653
- B)10.765
- C)8.224
- D)5.675

Answer

**C)8.224**

Explanation :

$$980 / 7 + 7 = 147$$

$$147 / 7 + 7 = 28$$

$$28 / 7 + 7 = 11$$

$$11 / 7 + 7 = 8.57$$

$$8.57 / 7 + 7 = 8.224$$

10. **15, 32, 14, 30, 13, ?**

- A)17
- B)26
- C)43
- D)28

Answer

**D)28**

Explanation :

$$15 \cdot 2 + 2 = 30 + 2 = 32$$

$$32 / 2 - 2 = 14$$

$$14 \cdot 2 + 2 = 30$$

$$30 / 2 - 2 = 13$$

$$13 \cdot 2 + 2 = 28$$

1. **16, 17, 13, 22, ?**

A)15

B)6

C)12

D)29

Answer

**Answer – B)6**

Explanation :

$$16+1^2 = 16+1 = 17$$

$$17-2^2 = 17-4 = 13$$

$$13+3^2 = 13+9 = 22$$

$$22-4^2 = 22-16 = 6$$

2. **25, 32, 48, 82 ?**

A)143

B)134

C)124

D)132

Answer

**Answer – A)143**

Explanation :

$$25+7 = 32 \dots\dots\dots(7)$$

$$32+16 = 48 \dots\dots\dots(7+9 = 16)$$

$$48+34 = 82 \dots\dots\dots(16+18 = 34)$$

$$82+61 = 143 \dots\dots\dots(34+27 = 61)$$

3. **87, 109, 142, 186, ?**

A)214

B)124

C)241

D)421

Answer

**Answer – C)241**

Explanation :

$$87+22 = 109$$

$$109+33 = 142$$

$$142+44 = 186$$

$$186+55 = 241$$

4. **12, 24, 144, 2592, ?**

- A)138699
- B)139698
- C)139869
- D)139968

Answer

**Answer – D) 139968**

Explanation :

$$12*2=24$$

$$24*6 = 144 \dots (2*3 = 6)$$

$$144*18 = 2592 \dots (6*3)$$

$$2592*54 = 139968 \dots (18*3=54)$$

5. **11, 12, 50, 453, ?**

- A)7225
- B)7522
- C)7252
- D)75246

Answer

**Answer – C)7252**

Explanation :

$$11*1^2+1 = 11+1 = 12$$

$$12*2^2+2 = 12*4+2 = 50$$

$$50*3^2+3 = 50*9+3 = 453$$

$$453*4^2+4 = 7252$$

6. **15, 14, 24, 63, ?**

- A)236
- B)263
- C)326
- D)336

Answer

**Answer – A)236**

Explanation :

$$15*1 - 1^2 = 15-1 = 14$$

$$14*2 - 2^2 = 28 - 4 = 24$$

$$24*3 - 3^2 = 72 - 9 = 63$$

$$63*4 - 4^2 = 252 - 16 = 236$$

7. **43, 87, 263, 1055, ?**

A)5729

B)5279

C)5972

D)5277

Answer

**Answer – B)5279**

Explanation :

$$43*2+1 = 87$$

$$87*3+2 = 263$$

$$263*4+3 = 1055$$

$$1055*5+4 = 5279$$

8. **8, 12, 22, 40, ?**

A)46

B)64

C)56

D)68

Answer

**Answer – D)68**

Explanation :

$$8+(3^2-5) = 8+4 = 12$$

$$12+(4^2-6) = 12+10 = 22$$

$$22+(5^2-7) = 22+18 = 40$$

$$40+(6^2-8) = 40+28 = 68$$

9. **280, 138, 274, 135, ?**

A)285

B)286

C)268

D)288

Answer

**Answer – C)268**

Explanation :

$$280 \div 2 - 2 = 138$$

$$138 * 2 - 2 = 274$$

$$274 \div 2 - 2 = 135$$

$$135 * 2 - 2 = 268$$

10. **3450, 3329, 3248, 3199, ?**

- A)3174
- B)3432
- C)3471
- D)3147

Answer

**Answer – A)3174**

Explanation :

$$3450-11^2 = 3450 - 121 = 3329$$

$$3329-9^2 = 3329-81 = 3248$$

$$3248-7^2 = 3248 - 49 = 3199$$

$$3199-5^2 = 3199-25 = 3174$$

1. **16 15 20 ? 102 221**

- A)41
- B)34
- C)43
- D)36
- E)None of these

Answer

**Answer -C) 43**

Explanation :

$$16+(1^3 - 2) = 15$$

$$15+(2^3 - 3) = 20$$

$$20+(3^3 - 4) = 43 \dots\dots\dots$$

2. **27 48 84 145 ?**

- A)201
- B)221
- C)231
- D)241
- E)None of these

Answer

**Answer – D) 241**

Explanation :

$$27+21 = 48$$

$$48+36 = 84$$

$$84+61 = 145$$

$$145+96 = 241$$

$$\begin{array}{l} \text{see d } 2^{\text{nd}} \text{ term } 21+15 = 36 \\ 36+25 = 61 \\ 61+35 = 96 \end{array}$$

3. **0 6 24 ? 120 210**

- A)40
- B)60
- C)80
- D)90
- E)None of these

Answer

**Answer -B) 60**

Explanation :

$$0+6(1*6) = 6$$

$$6+18(3*6) = 24$$

$$24+36(6*6) = 60$$

$$60+60(10*6) = 120$$

$$120+90(15*6) = 210$$

4. **1 2 5 26 ? 458330**

- A)675
- B)676
- C)677
- D)678
- E)None of these

Answer

**Answer -C) 677**

Explanation :

$$1^2+1 = 2$$

$$2^2+1 = 5$$

$$5^2+1 = 26$$

$$26^2+1 = 677$$

$$677^2+1 = 458330$$

5. **6 7 11 20 36 ?**

- A)61
- B)62
- C)64
- D)66
- E)None of these

Answer

**Answer -A) 61**

Explanation :

$$6+1^2 = 6+1 = 7$$

$$7+2^2 = 7 + 4 = 11$$
$$11+3^2 = 11+9 = 20$$
$$20+4^2 = 20+16 = 36$$
$$36+5^2 = 36+25 = 61$$

6. **135 99 ? 45 27 15 9**  
A)65  
B)66  
C)67  
D)69  
E)None of these

Answer

**Answer – D) 69**

Explanation :

$$9+6 = 15$$
$$15+12 = 27$$
$$27+18 = 45$$
$$45+24 = 69$$
$$69+30 = 99$$
$$99+36 = 135$$

7. **4 20 84 340 1364 ?**  
A)5260  
B)5460  
C)5468  
D)5789  
E)None of these

Answer

**Answer -B) 5460**

Explanation :

$$4+16 = 20$$
$$20+64 = 84$$
$$84+256 = 340$$
$$340+1024 = 1364$$
$$1364+4096 = 5460$$

8. **17 14 15 12 13 ?**  
A)8  
B)9  
C)10  
D)11  
E)None of these

Answer

**Answer -C) 10**

Explanation :

$$17 - 2 = 15 \dots (1 \text{ \& } 3 \text{ Term})$$

$$14 - 2 = 12 \dots (2 \text{ \& } 4 \text{ Term})$$

$$12 - 2 = 10 \dots (4 \text{ \& } 6 \text{ term})$$

9. **5 8 11 16 ? 22 27**

A)17

B)19

C)21

D)23

E)None of these

Answer

**Answer – B) 19**

Explanation :

$$5 + 3 = 8$$

$$8 + 3 = 11$$

$$11 + 5 = 16$$

$$16 + 3 = 19$$

$$19 + 3 = 22$$

$$22 + 5 = 27$$

10. **20 19 17 18 15 14 13 ?**

A)12

B)13

C)14

D)15

E)None of these

Answer

**Answer – C) 14**

Explanation :

$$20 - 1 = 19$$

$$17 + 1 = 18$$

$$15 - 1 = 14$$

$$13 + 1 = 14$$

1. **105 , 185 , 247 , 293 , ?**

A)338



- B)315
- C)325
- D)225

Answer

**Answer -Ans: C) 325**

Explanation :

$$9^2 - 1 = 80 \Rightarrow 80 + 105 = 185$$

$$8^2 - 2 = 62 \Rightarrow 185 + 62 = 247$$

.....

$$6^2 - 4 = 32 \Rightarrow 247 + 32 = 325$$

2. **5, 10, 30, 105 ?**

- A)220
- B)440
- C)230
- D)240

Answer

**Answer – B) 440**

Explanation :

$$5 \times 1 = 5 + 5 = 10$$

$$10 \times 2 = 20 + 10 = 30$$

.....

$$105 \times 4 = 420 + 20 = 440$$

3. **4 , 2, 2, 3, 6, ?**

- A)15
- B)12
- C)11
- D)14

Answer

**Answer -Ans: A) 15**

Explanation :

$$4 \times 0.5 = 2$$

$$2 \times 1 = 2$$

$$2 \times 1.5 = 3$$

.....

$$6 \times 2.5 = 15$$

4. **5, 14 , 40 , 117 , ?**

- A)317

- B)327
- C)337
- D)347

Answer

**Answer -Ans: D) 347**

Explanation :

$$5 \times 3 - 1 = 14$$

$$14 \times 3 - 2 = 40$$

.....

$$117 \times 3 - 4 = 347$$

5. **15 , 22, 72, 552 , ?**

- A)4500
- B)4592
- C)8800
- D)4763

Answer

**Answer – C) 8800**

Explanation :

$$15 \times 2 - 8 = 22$$

$$22 \times 4 - 16 = 72$$

$$72 \times 8 - 24 = 552$$

$$552 \times 16 - 32 = 8800$$

6. **12 , 20 ,34, 57, ?**

- A)93.5
- B)93
- C)93.2
- D)93.25

Answer

**Answer – A) 93.5**

Explanation :

$$12 \times 1.5 + 2 = 20$$

$$20 \times 1.5 + 4 = 34$$

$$34 \times 1.5 + 6 = 57$$

$$57 \times 1.5 + 8 = 93.5$$

7. **20 , 8 , 6 , 1 , ?**

- A)1.5
- B)1

- C)2
- D)2.5

Answer

**Answer -D) 2.5**

Explanation :

$$20-4\div 2 = 8$$

$$8+4\div 2 = 6$$

$$6-4\div 2 = 1$$

$$1+4\div 2 = 2.5$$

8. **1200, 1119 , 1055 , 1006, ?**

A)960

B)970

C)910

D)900

Answer

**Answer – B) 970**

Explanation :

$$1200 - 81 = 1119$$

$$1119 - 64 = 1055$$

$$1055 - 49 = 1006$$

$$1006 - 36 = 970$$

9. **2561 , 2440 ,2359 , 2310 , 2285, ?**

A)2233

B)2224

C)2269

D)2276

Answer

**Answer -D) 2276**

Explanation :

$$2561- 121 = 2440$$

$$2440 - 81 = 2359$$

$$2359 - 49 = 2310$$

$$2310 - 25 = 2285$$

$$2285 - 9 = 2276$$

10. **1,14 ,78 , 395 , ?**

A)1526

B)1625

- C)1576
- D)1565

Answer

**Answer -C) 1576**

Explanation :

$$1 \times 7 + 7 = 14$$

$$14 \times 6 - 6 = 78$$

$$78 \times 5 + 5 = 395$$

$$395 \times 4 - 4 = 1576$$

1. **76 , 43 , 13 ,.....**

1.3

2.4

3.11

4.6

5.None

Answer

**Answer – 2 . 4**

Explanation –  $(7 \times 6) + 1 = 43$  ;  $(1 \times 3) + 1 = 4$

2. **6 , 7 , 16 , 51 ,.....**

1.258

2.254

3.208

4.234

5.None

Answer

**Answer – 3. 208**

Explanation –  $(6 \times 1) + 1 = 7$ ;  $(7 \times 2) + 2 = 16$ ;..... $(51 \times 4) + 4 = 208$

3. **2 , 30 , 130 , 350 ,.....**

1.738

2.783

3.638

4.530

5.None

Answer

**Answer – 2. 738**

Explanation –  $(1^3)+1=2$ ;  $(3^3)+3=30$ ..... $(9^9)+9=738$

4. **3 , 10 , 20 , 27 , 54 , 61,.....**

- 1.68
- 2.122
- 3.105
- 4.72
- 5.None

Answer

**Answer – 2. 122**

Explanation –  $3+7=10$ ;  $10+10=20$ ..... $54+7=61$ ;  $61+61=122$

5. **11 , 13 , 24 , 37 , 61 ,.....**

- 1.73
- 2.87
- 3.98
- 4.108
- 5.None

Answer

**Answer – 3. 98**

Explanation –  $11+13=24$ ;  $13+24=37$ ..... $61+37=98$

6. **960 , 240 , 480 , 120 , 240 ,.....**

- 1.80
- 2.120
- 3.60
- 4.480
- 5.None

Answer

**Answer –3. 60**

Explanation –  $960/4=240$ ;  $240 \times 2=480$ ..... $240/4=60$

7. **0 , 6 , 24 , 60 , 120 , 210,.....**

- 1.240
- 2.336
- 3.290
- 4.336
- 5.None

Answer

**Answer – 2. 336**

Explanation –  $(1^3) - 1 = 0$ ;  $(2^3) - 2 = 6$ ; .....  $(7^3) - 7 = 336$

8. **21 , 25 , 41 , 77 ,.....**

- 1.114
- 2.174
- 3.124
- 4.141
- 5.None

Answer

**Answer – 4. 141**

Explanation –  $21 + 2^2 = 25$ ;  $25 + 4^2 = 41$ ; .....  $77 + 8^2 = 141$

9. **5 , 9 , 16 , 29 , 54 ,.....**

- 1.93
- 2.103
- 3.105
- 4.121
- 5.None

Answer

**Answer – 2. 103**

Explanation –  $(5 \times 2) - 1 = 9$ ;  $(9 \times 2) - 2 = 16$ ; .....  $(54 \times 2) - 5 = 103$

10. **65 , 77 , 53 , 89 , 41,.....**

- 1.105
- 2.148
- 3.203
- 4.101
- 5.None

Answer

**Answer – 4.101**

Explanation –  $65 + 12 = 77$ ;  $77 - 24 = 53$ ; .....  $41 + 60 = 101$

1. **2, 12, 36, 80, 125, 252, 392**

- 1 : 36
- 2 : 80
- 3 : 125

- 4 : 252
- 5 : 392

Answer

The given series is  
2, 12, 36, 80, 125, 252, 392  
 $= 1^2 \times 2, 2^2 \times 3, 3^2 \times 4, 4^2 \times 5, 5^2 \times 5, 6^2 \times 7, 7^2 \times 8$   
So the wrong one is  $5^2 \times 5$  or 125 it should be  $5^2 \times 6$ .  
Choice (3)

**3 : 125**

2. **0, 7, 98, 1029, 9604, 84045, 705894**
- 1 : 705894
  - 2 : 84045
  - 3 : 1029
  - 4 : 98
  - 5 : 0

Answer

The given series is 0, 7, 98, 1029, 9604, 84045, 705894  
which can be expressed as  
 $7^0 \times 0, 7^1 \times 1, 7^2 \times 2, 7^3 \times 3, 7^4 \times 4, 7^5 \times 5 + 10, 7^6 \times 6$   
So the wrong number is  $7^5 \times 5 + 10 = 84045$ . It should  
be  $7^5 \times 5$ .  
Choice (2)

**2 : 84045**

3. **781, 780, 772, 763, 681, 556, 340**
- 1 : 556
  - 2 : 772
  - 3 : 340
  - 4 : 763
  - 5 : 780

Answer

$781 - 1^3 = 780;$        $780 - 2^3 = 772;$   
 $772 - 3^3 = 745;$        $745 - 4^3 = 681;$   
 $681 - 5^3 = 556;$        $556 - 6^3 = 340$   
So the wrong number is 763.      Choice (4)

**4 : 763**

4. **390625, 79125, 15625, 3125, 625, 125**
- 1 : 79125

- 2 : 390625
- 3 : 3125
- 4 : 15625
- 5 : 625

Answer

The given series is 390625, 79125, 15625, 3125, 625, 125 which can be expressed as  $5^8, 5^3 \times 633, 5^6, 5^5, 5^4, 5^3$   
So the wrong number is  $5^3 \times 633 = 79125$ . It should be  $5^7 = 78125$ .  
Choice (1)

**1 : 79125**

5. **21, 91, 161, 241, 301, 371, 441**
- 1 : 371
  - 2 : 161
  - 3 : 241
  - 4 : 441
  - 5 : 301

Answer

The given series is 21, 91, 161, 241, 301, 371, 441 which can be expressed as  $3 \times 7, 13 \times 7, 23 \times 7, 33 \times 7 + 10, 43 \times 7, 53 \times 7, 63 \times 7$   
So the wrong number of the series =  $33 \times 7 + 10 = 231 + 10 = 241$ . It should be  $33 \times 7 = 231$ .  
Choice (3)

**3 : 241**

**Directions for questions : What should come in the place of question mark (?) in the following number series?**

1. **568 ? 136 64 28 10 1**
- 1 : 280
  - 2 : 240
  - 3 : 225
  - 4 : 174
  - 5 : None of these

Answer



$$\begin{aligned}
 1 \times 2 + 8 &= 10 \\
 10 \times 2 + 8 &= 28 \\
 28 \times 2 + 8 &= 64 \\
 64 \times 2 + 8 &= 136 \\
 136 \times 2 + 8 &= 280 \leftarrow \\
 280 \times 2 + 8 &= 568.
 \end{aligned}$$

Choice (1)

**1 : 280**

2. **0.875 2.75 ? 18 40 85 176**

- 1 : 7.5
- 2 : 3.5
- 3 : 5
- 4 : 6.5
- 5 : None of these

Answer

$$\begin{aligned}
 0.875 \times 2 + 1 &= 2.75 \\
 2.75 \times 2 + 2 &= 7.5 \leftarrow \\
 7.5 \times 2 + 3 &= 18 \\
 18 \times 2 + 4 &= 40 \\
 40 \times 2 + 5 &= 85 \\
 85 \times 2 + 6 &= 176.
 \end{aligned}$$

Choice (1)

**1 : 7.5**

3. **9 13 21 37 69 ? 261**

- 1 : 121
- 2 : 135
- 3 : 169
- 4 : 133
- 5 : None of these

Answer

$$\begin{aligned}
 9 + 4 &= 13 \\
 13 + 8 &= 21 \\
 21 + 16 &= 37 \\
 37 + 32 &= 69 \\
 69 + 64 &= 133 \leftarrow \\
 133 + 128 &= 261.
 \end{aligned}$$

Choice (4)

**4 : 133**

4. **1 3 5 11 21 ? 85**

- 1 : 54
- 2 : 63
- 3 : 47
- 4 : 41
- 5 : None of these

Answer

$$\begin{aligned}1 \times 2 + 1 &= 3 \\3 \times 2 - 1 &= 5 \\5 \times 2 + 1 &= 11 \\11 \times 2 - 1 &= 21 \\21 \times 2 + 1 &= 43 \leftarrow \\43 \times 2 - 1 &= 85\end{aligned}$$

Choice (5)

**5 : None of these**

5. **9 15 24 ? 51 69 90**

1 : 27

2 : 30

3 : 36

4 : 38

5 : None of these

Answer

$$\begin{aligned}9 + 6 &= 15 \\15 + 9 &= 24 \\24 + 12 &= 36 \leftarrow \\36 + 15 &= 51 \\51 + 18 &= 69 \\69 + 21 &= 90\end{aligned}$$

Choice (3)

**3 : 36**

1. 18, 96, 161, 213, 252, ?

1) 264

2) 278

3) 265

4) 291

5) none of these

Answer

**(2) 278**

**Explanation:** +78, +65, +52, +39, +26.

Table of 13

2. 7, 13, 24, 40, 61, ?

1) 87

2) 92

3) 89

4) 93

5) none of these

Answer

**(1) 87**

**Explanation:**

$$7+6=13$$

$$13+11=24$$

$$24+16=40$$

$$40+21=61$$

$$61+26=87$$

[Gap of +5 between 6,11,16,21,26]

**3.** 8, 12, 39, 55, 180, ?

1) 216

2) 238

3) 240

4) 206

5) 228

Answer

**(1) 216**

**4.** 3, 7, 19, 39, 67, ?

1) 107

2) 113

3) 109

4) 103

5) none of these

Answer

**(4) 103**

**Explanation:** +4 ,+12 ,+20 ,+28 ,+36.

Table of 4 with odd numbers

**5.** 759, 423, 255, 171, 129, ?

1) 118

2) 107

3) 98

4) 92

5) none of these

Answer

**(5) NOT**

**Explanation:** -336 ,-168 ,-84 ,-42 ,-21

Divide these differences by 2.

6. 0.8, 3.8, 12.6, 44.8, 188.2, ?

- 1) 758.6
- 2) 868.8
- 3) 952.00
- 4) 1012.2
- 5) 1112.2

Answer

**(3) 952**

**Explanation:**

$$0.8 \times 1 + 3 = 3.8$$

$$3.8 \times 2 + 5 = 12.6$$

$$12.6 \times 3 + 7 = 44.8$$

$$44.8 \times 4 + 9 = 188.2$$

$$188.2 \times 5 + 11 = 952$$

7. 124, 215, 342, 511, ?, 999

- 1) 695
- 2) 625
- 3) 728
- 4) 806
- 5) 573

Answer

**(3) 728**

**Explanation:**  $5^3-1, 6^3-1, 7^3-1, 8^3-1, 9^3-1$

8. 18, 82, 118, 134, 138, ?

- 1) 132
- 2) 198
- 3) 125
- 4) 138
- 5) 192

Answer

**(4) 138**

**Explanation:**  $+8^2, +6^2, +4^2, +2^2, +0^2$ .

9. 5, 22, 103, 406, ?, 2422

- 1) 1516
- 2) 1298
- 3) 1136

- 4) 1602
- 5) 1213

Answer

**(5) 1213**

**Explanation:** \*6-8 , \*5-7 , \*4-6 , \*3-5 , \*2-4

**10.** 516, 256, 126, 61, 28.5, ?

- 1) 12.25
- 2) 16.75
- 3) 14.25
- 4) 20.20
- 5) 18.75

Answer

**(1) 12.25**

**Explanation:**  $-4/2$

$$516 - 4 = 512/2$$

$$256 - 4 = 252/2$$

.

.

$$28.5 - 4 = 24.5/2 = 12.25$$

**1. 3,14,58,234,938,?**

1 : 4152

2 : 4110

3 : 3754

4 : 4154

5 : 4624

Answer

**Answer- 3 (3754)**

Explanation-  $x4+2$

**2. 3,25,255,2545,25455, ?**

1 : 254550

2 : 254555

3 : 254545

4 : 254555

5 : 254556

Answer

**Answer-3 (254545)**

Explanation-

$$25=(3\times 10)-5$$

$$255=(25\times 10)+5$$

$$2545=(255\times 10)-5$$

$$25455=(2545\times 10)+5$$

$$?=(2545\times 10)-5 = 254545$$

3. **4725,1050,300,120,80,?**

1 : 40

2 : 160

3 : 120

4 : 110

5 : 60

Answer

**Answer-2 (160)**

Explanation-  $4725 / 4.5=1050$

$$1050/3.5=300$$

$$300/2.5=120$$

$$120/1.5=80$$

$$80/0.5=160$$

4. **24,48,144,576,2880,?**

1 : 17280

2 : 16640

3 : 14400

4 : 20160

5 : 14240

Answer

**Answer- 1 (17280)**

Explanation-  $24 \times 2=48$

$$48\times 3=144$$

$$144\times 4=576$$

$$576\times 5=2880$$

5. **363,795,1227,1659,2091, ?**

1 : 2423

2 : 2613

3 : 2813

4 : 2513

5 : 2523

Answer

**Answer- 5 (2523)**

Explanation- +432 in every step

6. **5, 5, 15, 75, 525, 4725, \_\_\_\_\_.**
- 1 : 51795
  - 2 : 50135
  - 3 : 51025
  - 4 : 50175
  - 5 : 51975

Answer

**Answer- 5(51975)**

Explanation- multiply by consecutive odd numbers

$$5 \times 1 = 5$$

$$5 \times 3 = 15$$

$$15 \times 5 = 75$$

$$75 \times 9 = 4725$$

$$4725 \times 11 = 51975$$

7. **5, 13, 29, 61, 125, 253, \_\_\_\_\_**
- 1 : 512
  - 2 : 521
  - 3 : 509
  - 4 : 552
  - 5 : None of these

Answer

**Answer-3(509)**

Explanation-

$$5 \times 2 + 3 = 13$$

$$13 \times 2 + 3 = 29$$

$$29 \times 2 + 3 = 61 \text{ and so on..}$$

8. **16, 32, 35, 140, 145, 870, 877, \_\_\_\_\_**
- 1 : 7016
  - 2 : 885
  - 3 : 5020
  - 4 : 6018
  - 5 : None of these

Answer

**Answer- 1(7016)**

Explanation-

$$16 \times 2 = 32$$

$$32 + 3 = 35$$

$$35 \times 4 = 140$$

$$140 + 5 = 145$$

$$145 \times 6 = 870$$

$$870 + 7 = 877$$

$$877 \times 8 = 7016$$

9. **5, 10, 35, 160, 785, \_\_\_\_\_.**

1 : 2010

2 : 3910

3 : 2525

4 : 2860

5 : None of these

Answer

**Answer- 2 (3910)**

Explanation-

add  $5^1, 5^2, 5^3, 5^4, 5^5$  and so on in each step.

10. **196, 200, 209, 234, 283, 404, 573, \_\_\_\_\_**

1 : 872

2 : 840

3 : 884

4 : 878

5 : 862

Answer

**Answer-5 (862)**

Explanation- add square of prime no. in each step

4,9,25,49,121,so on