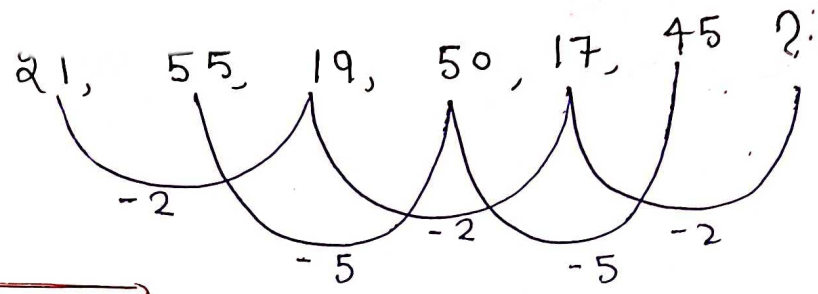
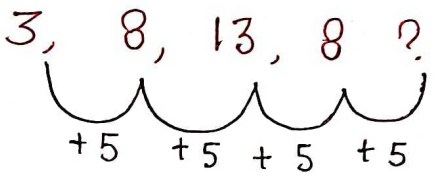
1) उस सही विकल्प का चयन करे जो निम्नलिखित श्रृंखला को पूरा करेगा ?



उत्तर =15

2)



उत्तर → 23

3) $\frac{2^2}{4}$, 3^2 5^2 7^2 11^2 13^2
4, 9, 25, 49, 121, 169

Prime no = 2, 3, 5, 7, 11, 13, 17
19, 23, 29, 31, 37 ...

उत्तर → 4

(4) 0, 1, 8, 27, ?

0^3, 1^3, 2^3, 3^3, 4^3

उत्तर => 64

(5) 27, 29, 33, ?, 57

+2, +4, +8, +16

×2, ×2, ×2

उत्तर -> 41

(6) 1200, 600, 300, ?

÷2, ÷2, ÷2

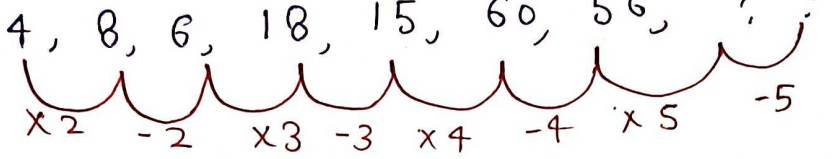
उत्तर => 150

(7) 11, 20, 27, 36, 43, ?, ?, 68, 75

+9, +7, +9, +7, +9, +7, +9, +7

उत्तर => 52, 59

(8) 4, 8, 6, 18, 15, 60, 56, ?, ?

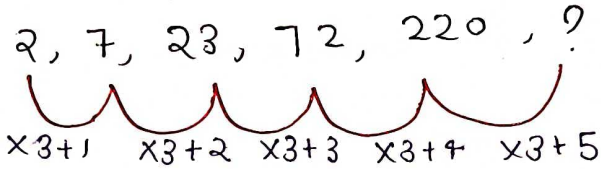


56 x 5

280 , 280-5 ⇒ 275

उत्तर → 280, 275

(9) 2, 7, 23, 72, 220, ?

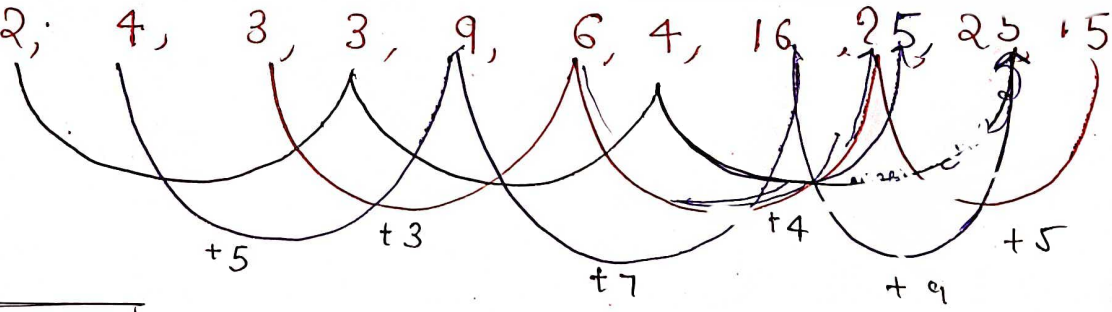


⇒ 660+5

665

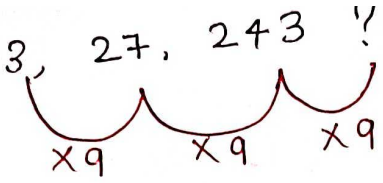
उत्तर ⇒ 665

(10) 2, 4, 3, 3, 9, 6, 4, 16, 25, 25, 5



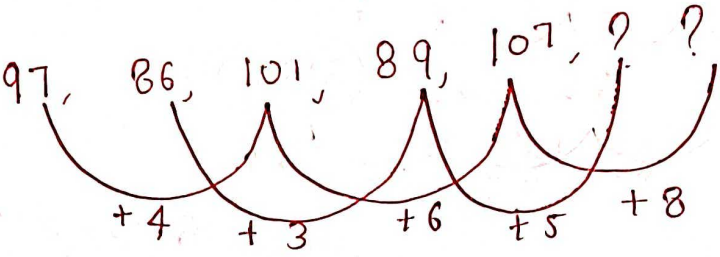
उत्तर ⇒ 10

(11) 3, 27, 243, ?



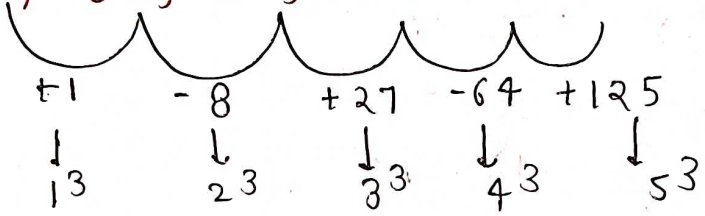
उत्तर → 2187

(12) 97, 86, 101, 89, 107, ?, ?



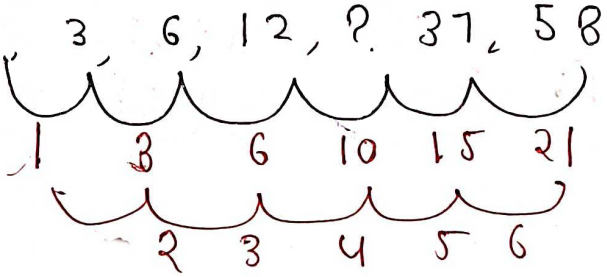
उत्तर 94, 115

(13) 87, 88, 80, 107, 43, ?



उत्तर → 168

(14) 2, 3, 6, 12, ?, 37, 58



उत्तर → 22

(15) 1, 5, 13, 29, 61, ?

×2+3 ×2+3 ×2+3 ×2+3 ×2+3

⇒ 122+3

125

उत्तर ⇒ 125

(16) 25, 30, 55, 180, 805 ?

5 25 125 625 3125

×5 ×5 ×5 ×5 ×5

805+3125

⇒ 3930

उत्तर ⇒ 3930

(17) 12, 60, 65, 325, 330 ?

×5 +5 ×5 +5 ×5

330×5

1650

(18) 13, 21, 33, 54, 91 ?

8 12 21 37 62

4 9 16 25

91+62

153

उत्तर ⇒ 153

(19) 3, 6, 8, 16, 18, 36 ?

×2 +2 ×2 +2 ×2 +2

उत्तर ⇒ 38

(20) 4, 8, 35, 51, 176, ?

4 27 16 125 36

2^2 3^3 4^2 5^3 6^2

उत्तर → 212

Extra Question

(*) 1, 4, 27, 256, ? 46656

1^1 2^2 3^3 4^4 5^5 6^6

3125

(*) 1^3-1^2, 2^3-2^2, 3^3-3^2, 4^3-4^2, 5^3-5^2

0 4 18 48 100 ?

180

6^3-6^2

Directions (Q. 1 to 20) Which number will come in place of question mark (?) in the given series?

निर्देश (प्र.स. – 1 से 20 तक) दी गई श्रृंखला में प्रश्न वाचक चिन्ह् (?) के स्थान पर कौन सी संख्या आएगी?

1.

31, 97, ?, 259, 355, 461

(a) 234
(b) 189
(c) 173
(d) 127

2.

254, 251, 245, 236, 224, ?

(a) 212
(b) 209
(c) 210
(d) 206

3.

27, 38, ?, 68, 87, 110

(a) 47
(b) 51
(c) 50
(d) 53

4.

8, 11, 22, ?, 50, 53

(a) 42
(b) 35
(c) 25
(d) 37

5.

8, 17, ?, 197, 773, 3077

(a) 45
(b) 53
(c) 57
(d) 69

6.

12, ?, 82, 123, 168, 217

(a) 51
(b) 42
(c) 45
(d) 63

7.

57, 69, 88, 112, 150, 186, 243, ?

(a) 286
(b) 300
(c) 289
(d) 291

8.

5475, 1100, 225, 50, ?, 8, 6.6

(a) 25
(b) 30
(c) 20
(d) 15

9.

300000, 90000, 27000, 8100, 2430, ?

(a) 729
(b) 323
(c) 3255
(d) 645

10.

189, 532, 316, ?, 377

(a) 405
(b) 291
(c) 384
(d) 441

11.
5, 11, 25, 55, 117, 243, ?
(a) 498
(b) 497
(c) 437
(d) 473

12.
45, 63, 101, 160, 241, ?
(a) 368
(b) 345
(c) 305
(d) 319

13.
600, 590, 575, 550, 510, ?
(a) 460
(b) 450
(c) 440
(d) 420

14.
160, 183, 213, 252, 302, ?, 443
(a) 361
(b) 333
(c) 379
(d) 365

15.
24, 61, 122, 213, ?
(a) 334
(b) 337
(c) 340
(d) 343

16.
40, 37, 43, 34, 46, ?
(a) 51
(b) 61
(c) 31
(d) 41

17.
345, 356, 368, 381, 395, ?
(a) 409
(b) 408
(c) 406
(d) 410

18.
233, 237, 245, 257, 273, ?
(a) 290
(b) 293
(c) 303
(d) 305

19.
16, 32, ?, 192, 576, 1152
(a) 96
(b) 80
(c) 64
(d) 48

20.
39, 50, 63, 80, ?, 122, 151, 182
(a) 99
(b) 108
(c) 105
(d) 90

Answer Key

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
c.	d.	b.	c.	b.	c.	d.	d.	a.	d.
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
b.	b.	b.	d.	c.	c.	d.	b.	a.	a.

Sol. 1

31 , 97 , 173 , ? , 259 , 355 , 461

+66 +76 +86 +96 +106

= 173 Ans

Sol. 2

254, 251 , 245 , 236 , 224 , 209

-3 -6 -9 -12 -15

= 209 Ans

Sol. 3.

27 , 38 , 51 , 68 , 87 , 110

+11 +13 +17 +19 +23

= 51 Ans

Sol. 4.

8 , 11 , 22 , 25 , 50 , 53

+3 ×2 +3 ×2 +3

= 25 Ans

Sol. 5.

8 , 17 , 53 , 197 , 773 , 3077

9 36 144 576 2304

$(3)^2$ $(6)^2$ $(12)^2$ $(24)^2$ $(48)^2$

= 53 Ans

Sol. 6

12 , 45 , 82 , 123 , 168 , 217

+33 +37 +41 +45 +49

= 45 Ans

Sol. 7

57, 69, 88, 112, 150, 186, 243, 291

+12 +19 +24 +38 +36 +57 +48

+12 +12 +12

+19 +19 +19

= 291 Ans

Sol. 8

5475, 1100, 225, 50, 15, 8, 6.6

−4375 −875 −175 −35 −7 −1.4

$\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$

= 15 Ans

Sol. 9

300000, 90,000, 27000, 8100, 2430, 729

$\times\frac{3}{10}$ $\times\frac{3}{10}$ $\times\frac{3}{10}$ $\times\frac{3}{10}$ $\times\frac{3}{10}$

= 729 Ans

Sol. 10.

189, 532, 316, 441, 377

+343 +216 125 64

$(7)^3$ $(6)^3$ $(5)^3$ $(4)^3$

= 441 Ans

Sol. 11

5, 11, 25, 55, 117, 243, 497

×2+1 ×2+3 ×2+5 ×2+7 ×2+9 ×2+11

= 497 Ans

Sol. 12.

45, 63, 101, 160, 241, 345

+18 +38 +59 +81 +104

+20 +21 +22 +23 +24

= 345 Ans

Sol·13· 600, 590, 575, 550, 510, 450

−10 −15 −25 −40 −60

−5 −10 −15 −20

= 450 Ans

Sol·14· 160, 183, 213, 252, 302, 365, 443

23 30 39 50 63 78

(4^2+7) (5^2+5) (6^2+3) (7^2+1) (8^2-1) (9^2-3)

= 365 Ans

Sol·15 24, 61, 122, 213, 340 = 340 Ans

3^3-3 4^3-3 5^3-3 6^3-3 7^3-3

Sol·16 40, 37, 43, 34, 46, 31

−3 −3

+3 +3 = 31 Ans

Sol·17 345, 356, 368, 381, 395, 410

+11 +12 +13 +14 +15 = 410 Ans

Sol·18· 233, 237, 245, 257, 273, 293

+4 +8 +12 +16 +20

= 293 Ans

Sol. 19.

16, 32, 96, 192, 576, 1152

×2 ×3 ×2 ×3 ×2

= 96 Ans

Sol. 20.

39, 50, 63, 80, 99, 122, 151, 182

+11 +13 +17 +19 +23 +29 +31

= 99 Ans

Answer KEY-

1	2	3	4	5	6	7	8	9	10
C	D	B	C	B	C	D	D	A	D.
11	12	13	14	15	16	17	18	19	20.
B	B	B	D	C	C	D	B	A	A