



gradeup

Sahi Prep Hai Toh Life Set Hai

→ Square & cube
→ Prime no.
→ Basic calculations

**Number
Set**

Q1

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

7^2 9^2 11^2
(49, 81, 121)

~~A.~~ (9, 4, 8)

✓ C. (36, 64, 100)
 6^2 8^2 10^2

~~B.~~ (16, 25, 49)
 4^2 5^2 7^2

D. (16, 64, 100)
 4^2 8^2 10^2
4 2

Relationship ←

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

$\times 4$ $\times 5$
(16, 64, 320)

~~A.~~ $\times 7$ (15, 60, 310)

B. (15, 45, 180)

\checkmark C. (10, 40, 200)

D. (25, 75, 125)

$\times 4$ $\times 5$

Q. Select the option in which the numbers are NOT related in the same way as are the numbers in the given

³ set. ²
~~13~~ × 11 ~~10~~ × 11 ~~8~~ × 11
(143, 110, 88)

A. (123, 90, 68)

B. (69, 36, 14)

C. (61, 28, 6)

D. (114, 82, 60)

Magical No's

Q. Select the set in which the numbers are related in the

4 same way as are the numbers of the following set.

$\sqrt[3]{(64, 7, 27)}$

~~A. (127, 15, 161)~~

~~C. (216, 15, 64)~~

$\sqrt[6]{(216, 11, 125)}$

~~D. (343, 18, 125)~~

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

2^3 3^3 4^3
(8, 27, 64)

A. (49, 64, 81)

B. (125, 636, 864)

~~C. (216, 343, 529)~~
 6^3 7^3 —

✓ D. (343, 512, 729)
 7^3 8^3 9^3

$$\begin{array}{r} 3^3 = 27 \\ 9^2 = 81 \\ \hline 108 \end{array}$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

$$(4^3, 113, 7^2)$$

☒ A. (3, 118, 9)

☒ C. (5, 141, 4)

B. (8, 155, 4)

D. (6, 161, 4)

$$7^3 = 343$$

$$4^3 = 64$$

$$\begin{array}{l} 4+7 = 11 \\ 7-4 = 3 \end{array} \left. \vphantom{\begin{array}{l} 4+7 = 11 \\ 7-4 = 3 \end{array}} \right\} \underline{113}$$

$$\begin{array}{r} 5^3 = 125 \\ 4^2 = 16 \\ \hline 141 \end{array}$$

$$\begin{array}{r} 4^2 = 16 \\ 7^2 = 49 \\ \hline 65 \end{array} \quad \times$$

$$\begin{array}{r} 4^3 = 64 \\ 7^2 = 49 \\ \hline 113 \end{array}$$

Handwritten red notes showing the relationship between the numbers in the example set (2, 4, 8):
 $2^1 = 2$
 $2^2 = 4$
 $2^3 = 8$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

Handwritten red notes above the example set:
 $\times 2 \times 2$
(2, 4, 8)

A. $\overset{5^1}{5}, \overset{5^2}{25}, \overset{5^3=125}{625}$ \times

B. (3, 9, 34)

C. (1, 2, 6)

☒ D. (4, 16, 64)
 $\times 4 \times 4$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 7, 11) \rightarrow *consecutive prime no*

~~A.~~ (15, 17, 23)

☒ B. (23, 29, 31)

~~C.~~ (14, 16, 18)

~~D.~~ (17, 19, 21)

$$8 + 6 = 14 \times 2 = 28$$

$$\begin{array}{r}
 8^2 = 64 \\
 6^2 = 36 \\
 \hline
 28
 \end{array}$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

8, 6, 28

☒ A. 7, 2, 45

☐ C. 10, 5, 85

B. 6, 4, 30

D. 12, 6, 98

$$\begin{array}{r}
 7^2 = 49 \\
 2^2 = 4 \\
 \hline
 45
 \end{array}$$

$$\begin{array}{r}
 8 + 6 = 14 \\
 8 - 6 = 2 \\
 \hline
 28
 \end{array}$$

$$\begin{array}{r}
 7 + 2 = 9 \\
 7 - 2 = 5 \\
 \hline
 45
 \end{array}$$

$$\left. \begin{array}{l} 8 \times 3 + 3 = 27 \\ 8 \times 4 + 4 = 36 \end{array} \right\}$$

$$8 + 27 = 35 + 1 = 36$$

$$4 + 15 = 19 + 1 = 20$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(8, 27, 36)

A. (9, 18, 56)

B. (20, 31, 51)

☒ C. (4, 15, 20)

D. (14, 23, 46)

$$4 \times 3 + 3 = 15$$

$$4 \times 4 + 4 = 20$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(84, 60, 51)

A. (64, 80, 72)

C. (72, 56, 62)

☒ B. (80, 98, 69)

D. (52, 64, 47)

$$\frac{84}{4} = 21$$

$$\frac{60}{2} = \frac{30}{51}$$

$$\frac{80}{4} = 20$$

$$\frac{98}{2} = 49$$

$$69$$

$$\frac{6^3 = 216}{\quad}$$

$$\frac{4^3 = 64}{\quad}$$

$$\begin{array}{r} 216 \\ - 64 \\ \hline 152 \end{array}$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

☒ (4, 152, 6)

☒ A. (5, 287, 8)

☒ C. (3, 55, 4)

☒ B. (4, 179, 7)

☒ D. (2, 208, 6)

$$\frac{6^3 = 216}{\quad}$$
$$\frac{2^2 = 8}{\quad}$$
$$\frac{208}{\quad}$$

$$88 + 60 = \frac{148}{4} = 37$$

$$94 + 42 = \frac{136}{4} = 34$$

Q. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(88, 60, 37)

A. (43, 49, 27)

B. (56, 38, 28)

✓ C. (94, 42, 34)

D. (36, 70, 38)

$$\begin{array}{l} 277 \\ 14^2 = 196 \\ \hline 81 = 9^2 \\ 18 = 9^2 \end{array}$$

Q. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(14, 18, 277)

A. (12, 32, 320)

C. (18, 16, 485)

☒ B. (20, 22, 521)

D. (24, 20, 576)

$$\begin{array}{l} 20^2 = 400 \\ 22 = 11^2 = 121 \\ \hline 521 \end{array}$$

Q. Three of four options are similar to the given number set in a certain manner while one is different. Select the option that is NOT like the given number set.

$\times 5 \quad \times 9$
(90, 450, 810)

$\times 5$
A. (5, 25, 45)

B. (21, 105, 189)

$\times 5 \quad \times 8$
C. (7, 35, 56)

D. (17, 85, 153)

Q. Select the set in which the numbers are related in the same way as are the numbers of the following set.

$+7 + 9$
(16, 23, 32)

~~A.~~ (10, 23, 46)

~~C.~~ (6, 14, 25)

$+7 + 9$
☒ B. (11, 18, 27)

D. (10, 17, 28)

$$\begin{aligned} 123 - 88 &= 35 \\ 88 - 63 &= 25 \end{aligned}$$

Q. Select the option in which the numbers are NOT related in the same way as are the numbers in the given set.

(123, 88, 63)

☒ A. (100, 65, 25)

C. (70, 35, 10)

$-35 - 25$
B. (150, 115, 90)

D. (135, 100, 75)

$-35 - 25$

Q. Select the option in which the numbers share the same relationship as that shared by the given set of numbers.

$\times 3 + 1$ $\times 3 + 1$
(9, 28, 85)

A. (14, 52, 156)

C. (11, 34, 102)

$\times 3 + 1$ $\times 3 + 1$
✓ B. (7, 22, 67)

D. (3, 12, 37)

$$\begin{array}{r} 45 \\ - 24 \\ \hline 21 \end{array}$$

Q. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(45, 24, 441) (21)

A. (30, 60, 1024)

B. (50, 30, 480) ✗

C. (35, 17, 324) 18

D. (41, 18, 630) ✗

$$\begin{array}{r} 35 \\ - 17 \\ \hline 18 \end{array}$$

$$3 \times 7 = 21 - 4 = 17$$

(7-3)

Q. Select the option in which the number set shares the same relationship as that shared by the given number set.

(3, 7, 17)

A. (5, 8, 46)

C. (4, 6, 21)

$$5 \times 9 = 45 - 4 = 41$$

(9-5)

☒ B. (5, 9, 41)

D. (6, 9, 53)

Table → 19

Sq & cube

✓
19

29

Please to late

Chapter previous yr
Question

$$2+4=6$$



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