

If your dreams don't scare you , they are too small .

Richard Branson

Type 4

Based on more than one Logic

Zero to Hero Batch

Q. 3 , 4 , 10 , 33 , 136 , ?

Handwritten logic for the sequence:

- $3 \times 1 + 1 = 4$
- $4 \times 2 + 2 = 10$
- $10 \times 3 + 3 = 33$
- $33 \times 4 + 4 = 136$
- $136 \times 5 + 5 = 685$

- (A). 718
- ✓ (B). 685
- (C). 35
- (D). 879

Q. 5 , 10 , 40 , 80 , 320 , ? , 2560

(A). 1436
(B). 680
✓(C). 640
(D). 1220

Handwritten annotations: $\times 2$ (5 to 10), $\times 4$ (10 to 40), $\times 2$ (40 to 80), $\times 4$ (80 to 320), $\times 2$ (320 to ?), $\times 4$ (? to 2560). The value 640 is circled.

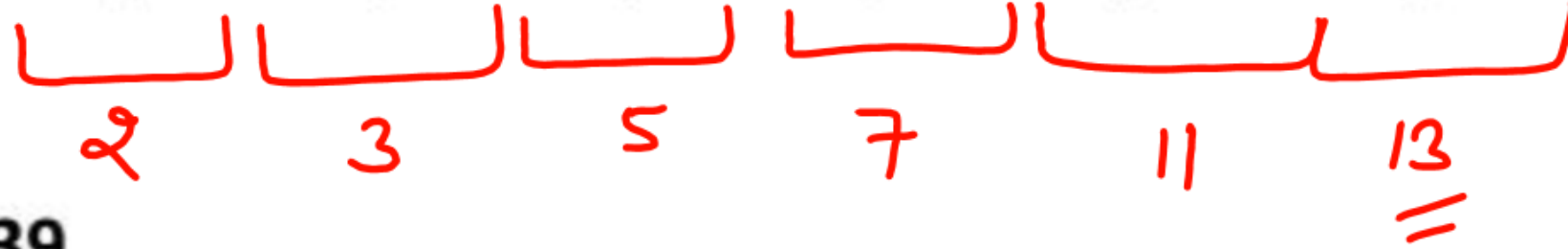
Q. 1 , 3 , 10 , 21 , 64 , 129 , ? , 777

(A). 432
(B). 336
☒ (C). 388
(D). 240

Handwritten annotations:

- Red brackets above the sequence: $\times 2 + 1$ (1 to 3), $\times 2 + 1$ (3 to 10), $\times 2 + 1$ (10 to 21), $\times 2 + 1$ (21 to 64), $\times 2 + 1$ (64 to 129), $\times 2 + 1$ (129 to ?), $\times 2 + 1$ (? to 777).
- Red brackets below the sequence: $\times 3 + 1$ (1 to 10), $\times 3 + 1$ (10 to 21), $\times 3 + 1$ (21 to 64), $\times 3 + 1$ (64 to 129), $\times 3 + 1$ (129 to ?), $\times 2 + 1$ (? to 777).
- The number 388 is circled in red above the question mark.

Q. 17 , 19 , 22 , 27 , 34 , ? , 58



A. 39

B. 41

✓ C. 45

D. 49

prime Numbers

Q.4 , 3 , 4 , 9 , 32 , 155 , ?

Handwritten annotations:

- $\times 1 - 1$ (under 3)
- $\times 2 - 2$ (over 4)
- $\times 3 - 3$ (under 9)
- $\times 4 - 4$ (over 32)
- $\times 5 - 5$ (under 155)
- $\times 6 - 6$ (under ?)

The number 924 is circled in red.

A. 872

B. 160

☒ C. 924

D. 760

Q. 25 , 33 , 42 , 167 , 203 , 715 , ? **796**

A. 875

B. 769

✓ C. 796

D. 960

8

9

125

36

512

81

2^3

3^2

5^3

6^2

8^3

9^2

Q. 27 , 36 , 48 , 67 , 97 , ?

142

9 12 19 30 45

3 7 11 15

4 4 4

A. 114

B. 112

✓ C. 142

D. 156

$$\begin{array}{r} 2^2 \\ + 2^3 \\ \hline \end{array}$$

$$\begin{array}{r} 3^2 \\ + 3^3 \\ \hline \end{array}$$

$$\begin{array}{r} 4^2 \\ + 4^3 \\ \hline \end{array}$$

$$\begin{array}{r} 5^2 \\ + 5^3 \\ \hline \end{array}$$

$$\begin{array}{r} 6^2 \\ + 6^3 \\ \hline \end{array}$$

$$\begin{array}{r} 7^2 \\ + 7^3 \\ \hline \end{array}$$

Q. 12 , 36 , 80 , 150 , 252 , ?

392



24 44 70 102 140



20 26 32 38



6 6 6

- A. 344
- B. 358
- C. 392
- D. 456

Zero to Hero Batch

Q. 16 , 31 , 55 , 95 , 158 , 251

15 24 40 63 93

9 16 23 30

+7 +7 +7

A. 186

B. 251 ✓

C. 314

D. 286

Q. 6 , 15 , 35 , 77 , 143 , ? 221
2 × 3 3 × 5 5 × 7 7 × 11 11 × 13 13 × 17

Zero to Hero Batch

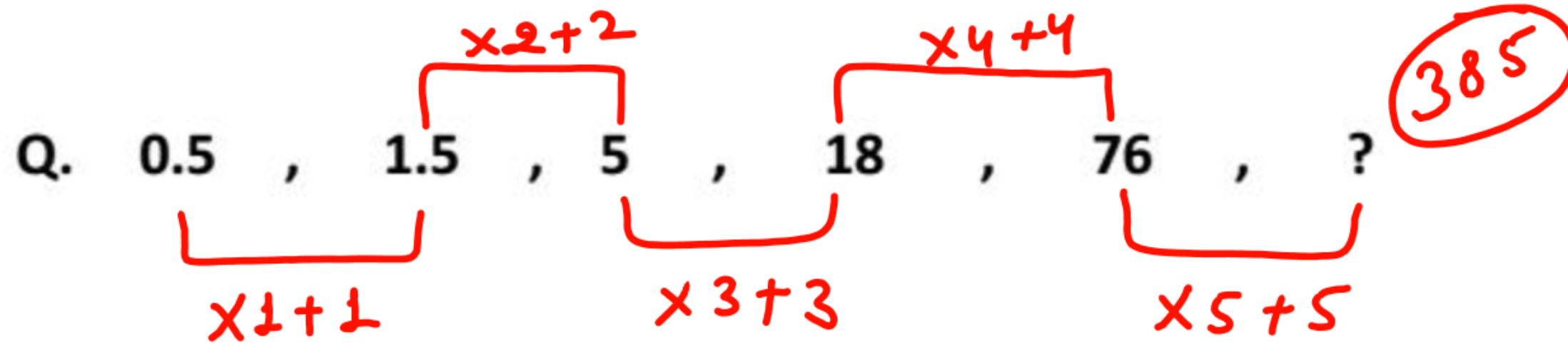
A. 181

✓ B. 221

C. 245

D. 314

1



A. 126

B. 185

C. 246

✓ D. 385

Q. 2 , 10 , 30 , 68 , ? 130

$$1^3+1 \quad 2^3+2 \quad 3^3+3 \quad 4^3+4 \quad 5^3+5$$

✓ A. 130

B. 45

C. 76

D. 82

Q. 10 , 11 , 15 , 24 , 40 , ?

A. 56

B. 65

C. 74

D. 82

Q. Find the missing term ?

1 , 4 , 8 , 16 , 31 , 64 , 127 , 256

- A. 16
- B. 31
- C. 8
- D. 127

Thank you