

Exercise 1

NUMBER PATTERNS AND SEQUENCES

1. Write the next three numbers in each sequence below.

- 2, 4, 8, 16, _____, _____, _____.
- 1, 4, 7, 10, _____, _____, _____.
- 1, 4, 9, 16, 25 _____, _____, _____
- 7, 8, 15, 23, 38 _____, _____, _____.
- 47, 40, 45, 38, 43, 36, 41 _____, _____, _____.

2. Assuming the pattern below continues, how many squares will be in Figure 5?

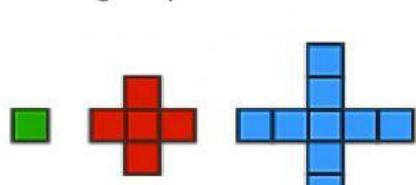


Figure 1 Figure 2

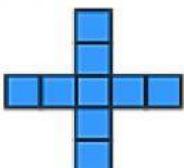


Figure 3

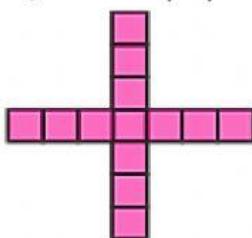


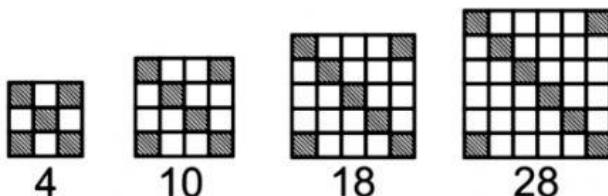
Figure 4



Figure 5

Answer

3. Sequences Based on Position. What comes next?



4

10

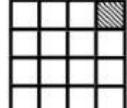
18

28

Answer



4. Sequences Based on Position. What comes next?

Step 1		0
Step 2		3
Step 3		8
Step 4		15

Answer

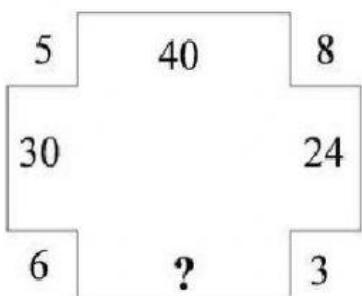


5. Sequences Based on Position. What comes next?

Step 1		2
Step 2		6
Step 3		12
Step 4		20

Answer

6. What number fits into the question mark?



Answer: