



TIMO practice: Which term of the sequence (with solutions)

12 problems · Grade 1, 2, 3 · answers and solutions at the end

Name _____

Date _____



Practise this type in the Karotto app, with questions read aloud and hints when stuck. Scan the code or visit playkarotto.com

Grade 1

- 1 The numbers go 22, 32, 42, 52, ... Which number is in position 8?

22 32 42 52 ... ?

Answer: _____

- 2 The numbers go 16, 20, 24, 28, ... Which number is in position 8?

16 20 24 28 ... ?

Answer: _____

- 3 The numbers go 4, 3, 2, 1, ... Which number is in position 5?

4 3 2 1 ... ?

Answer: _____

- 4 The numbers go 57, 47, 37, 27, ... Which number is in position 6?

57 47 37 27 ... ?

Answer: _____

Grade 2

- 5 The numbers go 8, 14, 20, 26, ... Which number is in position 13?

8 14 20 26 ... ?

Answer: _____

- 6 The numbers go 15, 17, 19, ... up to 25. How many numbers are there in all?

15 17 19 ... 25

Answer: _____

- 7 The numbers go 91, 96, 101, 106, ... Which number is in position 37?

91 96 101 106 ... ?

Answer: _____

- 8 The numbers go 13, 22, 31, ... up to 94. How many numbers are there in all?

13 22 31 ... 94

Answer: _____

Grade 3

- 9 The numbers go 116, 120, 124, 128, ... Which number is in position 99?

116 120 124 128 ... ?

Answer: _____

- 10 The numbers go 457, 452, 447, 442, ... Which number is in position 86?

457 452 447 442 ... ?

Answer: _____

- 11 The numbers go 88, 90, 92, ... In which position is the number 120?

88 90 92 ...

Answer: _____

- 12 The numbers go 5, 10, 15, ... up to 110. How many numbers are there in all?

5 10 15 ... 110

Answer: _____

Answers and solutions: Which term of the sequence

1. Answer: 92 · Grade 1

How to think: How many steps is it from the first number to position 8?

Solution: Keep going step by step: 22, 32, 42, 52, 62, 72, 82, 92. The number in position 8 is 92.

2. Answer: 44 · Grade 1

How to think: How many steps is it from the first number to position 8?

Solution: Keep going step by step: 16, 20, 24, 28, 32, 36, 40, 44. The number in position 8 is 44.

3. Answer: 0 · Grade 1

How to think: How many steps is it from the first number to position 5?

Solution: Keep going step by step: 4, 3, 2, 1, 0. The number in position 5 is 0.

4. Answer: 7 · Grade 1

How to think: How many steps is it from the first number to position 6?

Solution: Keep going step by step: 57, 47, 37, 27, 17, 7. The number in position 6 is 7.

5. Answer: 80 · Grade 2

How to think: How many steps is it from the first number to position 13?

Solution: There are 12 steps, each adding 6: 12 times 6 equals 72. 8 plus 72 equals 80.

6. Answer: 6 · Grade 2

How to think: Count the steps from the first number to the last, then add 1.

Solution: 25 minus 15 equals 10. 10 divided by 2 equals 5 steps. There is 1 more number than steps: 6.

7. Answer: 271 · Grade 2

How to think: How many steps is it from the first number to position 37?

Solution: There are 36 steps, each adding 5: 36 times 5 equals 180. 91 plus 180 equals 271.

8. Answer: 10 · Grade 2

How to think: Count the steps from the first number to the last, then add 1.

Solution: 94 minus 13 equals 81. 81 divided by 9 equals 9 steps. There is 1 more number than steps: 10.

9. Answer: 508 · Grade 3

How to think: How many steps is it from the first number to position 99?

Solution: There are 98 steps, each adding 4: 98 times 4 equals 392. 116 plus 392 equals 508.

10. Answer: 32 · Grade 3

How to think: How many steps is it from the first number to position 86?

Solution: There are 85 steps, each taking away 5: 85 times 5 equals 425. 457 minus 425 equals 32.

11. Answer: 17 · Grade 3

How to think: How many steps is it from the first number to 120?

Solution: 32 divided by 2 equals 16 steps. The first number is in position 1, and 16 steps later we reach position 17.

12. Answer: 22 · Grade 3

How to think: Count the steps from the first number to the last, then add 1.

Solution: 110 minus 5 equals 105. 105 divided by 5 equals 21 steps. There is 1 more number than steps: 22.
