



TIMO practice: Planting trees and sawing logs (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 A pot can cook 3 bowls of noodles at once, and each cooking takes 7 minutes. What is the shortest time to cook 7 bowls?



Answer: _____

- 2 The path around a lake is 25 metres long. A tree is planted every 5 metres. How many trees are there?



Answer: _____

- 3 The path around a lake is 80 metres long. A tree is planted every 10 metres. How many trees are there?



Answer: _____

- 4 A pot can cook 3 bowls of noodles at once, and each cooking takes 8 minutes. What is the shortest time to cook 5 bowls?



Answer: _____

Grade 2

- 5 Along a road 136 metres long, a tree is planted every 8 metres, with a tree at both ends. How many trees are there in all?



Answer: _____

- 6 Each cut takes 7 minutes. How many minutes does it take to saw a log into 4 pieces?

Answer: _____

- 7 Going from floor 1 to floor 2 takes 23 steps. How many steps is it from floor 1 to floor 4?

Answer: _____

8

Each cut takes 4 minutes. How many minutes does it take to saw a log into 4 pieces?

Answer: _____

Grade 3

9

The path around a lake is 96 metres long. A tree is planted every 6 metres. How many trees are there?



Answer: _____

10

Along a road 33 metres long, a tree is planted every 3 metres, with a tree at both ends. How many trees are there in all?



Answer: _____

11

Each cut takes 6 minutes. How many minutes does it take to saw a log into 4 pieces?

Answer: _____

12

The path around a lake is 160 metres long. A tree is planted every 4 metres. How many trees are there?



Answer: _____

Answers and solutions: Planting trees and sawing logs

1. Answer: 21 · Grade 1

How to think: Each time, 3 bowls cook together.

Solution: We need to cook 3 times, 7 minutes each time: 7 plus 7 plus 7 equals 21 minutes.

2. Answer: 5 · Grade 1

How to think: Walking once around the lake brings you back to the first tree.

Solution: 25 metres splits into 5 gaps of 5 metres. On a closed loop, trees equal gaps: 5 trees.

3. Answer: 8 · Grade 1

How to think: Walking once around the lake brings you back to the first tree.

Solution: 80 metres splits into 8 gaps of 10 metres. On a closed loop, trees equal gaps: 8 trees.

4. Answer: 16 · Grade 1

How to think: Each time, 3 bowls cook together.

Solution: We need to cook 2 times, 8 minutes each time: 8 plus 8 equals 16 minutes.

5. Answer: 18 · Grade 2

How to think: First count the gaps: each gap is 8 metres long.

Solution: A road of 136 metres splits into 17 gaps of 8 metres, so there are 17 plus 1 equals 18 trees.

6. Answer: 21 · Grade 2

How to think: With 1 cut, how many pieces do you get?

Solution: You need 3 cuts, 7 minutes each: 3 times 7 equals 21 minutes.

7. Answer: 69 · Grade 2

How to think: From floor 1 to floor 4, how many flights of stairs do you go up?

Solution: From floor 1 to floor 4, there are 3 flights of stairs, 23 steps each: 3 times 23 equals 69 steps.

8. Answer: 12 · Grade 2

How to think: With 1 cut, how many pieces do you get?

Solution: You need 3 cuts, 4 minutes each: 3 times 4 equals 12 minutes.

9. Answer: 16 · Grade 3

How to think: Walking once around the lake brings you back to the first tree.

Solution: 96 metres splits into 16 gaps of 6 metres. On a closed loop, trees equal gaps: 16 trees.

10. Answer: 12 · Grade 3

How to think: First count the gaps: each gap is 3 metres long.

Solution: A road of 33 metres splits into 11 gaps of 3 metres, so there are 11 plus 1 equals 12 trees.

11. Answer: 18 · Grade 3

How to think: With 1 cut, how many pieces do you get?

Solution: You need 3 cuts, 6 minutes each: 3 times 6 equals 18 minutes.

12. Answer: 40 · Grade 3

How to think: Walking once around the lake brings you back to the first tree.

Solution: 160 metres splits into 40 gaps of 4 metres. On a closed loop, trees equal gaps: 40 trees.
