



TIMO practice: What number goes in the box (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 What number goes in the empty box?

$$70 + \boxed{} = 87$$

Answer: _____

- 2 What number goes in the empty box?

$$\boxed{} + 1 = 20 + 10$$

Answer: _____

- 3 What number goes in the empty box?

$$\boxed{} + 10 = 18 + 13 + 15$$

Answer: _____

- 4 What number goes in the empty box?

$$\boxed{} - 36 = 25$$

Answer: _____

Grade 2

- 5 What number goes in the empty box?

$$36 + \boxed{} = 46 + 23$$

Answer: _____

- 6 What number goes in the empty box?

$$\boxed{} \div 5 = 2$$

Answer: _____

- 7 The fox thinks of a secret number. It takes the number, take away 21, then add 34, and gets 88. What number did the fox think of?

$$\boxed{?} - 21 \quad \boxed{} + 34 = 88$$

Answer: _____

- 8 What number goes in the empty box?

$$\boxed{} \div 6 = 10$$

Answer: _____

Grade 3

- 9 What number goes in the empty box?

$$\boxed{} \div 5 = 4$$

Answer: _____

- 10 The bunny thinks of a secret number. It takes the number, take away 44, then take away 78, and gets 13. What number did the bunny think of?

$$\boxed{?} - 44 \quad \boxed{} - 78 = 13$$

Answer: _____

- 11 What number goes in the empty box?

$$105 \div \boxed{} = 15$$

Answer: _____

- 12 What number goes in the empty box?

$$\boxed{} \div 4 = 17$$

Answer: _____

Answers and solutions: What number goes in the box

1. Answer: 17 · Grade 1

How to think: Is the empty box a part, or the whole?

Solution: 87 minus 70 equals 17. Check: 70 plus 17 equals 87.

2. Answer: 29 · Grade 1

How to think: Work out the side to the right of the equals sign first.

Solution: The right side equals 30. 30 minus 1 equals 29.

3. Answer: 36 · Grade 1

How to think: Work out the side to the right of the equals sign first.

Solution: The right side equals 46. 46 minus 10 equals 36.

4. Answer: 61 · Grade 1

How to think: Is the empty box a part, or the whole?

Solution: 25 plus 36 equals 61. Check: 61 minus 36 equals 25.

5. Answer: 33 · Grade 2

How to think: Work out the side to the right of the equals sign first.

Solution: The right side equals 69. 69 minus 36 equals 33.

6. Answer: 10 · Grade 2

How to think: Multiplying and dividing undo each other.

Solution: 5 times 2 equals 10. Check: 10 divided by 5 equals 2.

7. Answer: 75 · Grade 2

How to think: Go backwards from the result. Plus becomes minus, minus becomes plus, and times becomes divide.

Solution: Go backwards: 88 minus 34 makes 54, then 54 plus 21 makes 75. The number is 75.

8. Answer: 60 · Grade 2

How to think: Multiplying and dividing undo each other.

Solution: 6 times 10 equals 60. Check: 60 divided by 6 equals 10.

9. Answer: 20 · Grade 3

How to think: Multiplying and dividing undo each other.

Solution: 5 times 4 equals 20. Check: 20 divided by 5 equals 4.

10. Answer: 135 · Grade 3

How to think: Go backwards from the result. Plus becomes minus, minus becomes plus, and times becomes divide.

Solution: Go backwards: 13 plus 78 makes 91, then 91 plus 44 makes 135. The number is 135.

11. Answer: 7 · Grade 3

How to think: Multiplying and dividing undo each other.

Solution: 105 divided by 15 equals 7. Check: 105 divided by 7 equals 15.

12. Answer: 68 · Grade 3

How to think: Multiplying and dividing undo each other.

Solution: 4 times 17 equals 68. Check: 68 divided by 4 equals 17.
