



TIMO practice: Two numbers from four digits (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 Use all four digits 1, 2, 4, 5, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

1 2 4 5

Answer: _____

- 2 Use all four digits 3, 2, 5, 4, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

3 2 5 4

Answer: _____

- 3 Use all four digits 5, 1, 4, 2, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

5 1 4 2

Answer: _____

- 4 Use all four digits 3, 2, 4, 1, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

3 2 4 1

Answer: _____

Grade 2

- 5 Use all four digits 4, 9, 7, 3, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

4 9 7 3

Answer: _____

- 6 Use all four digits 1, 4, 2, 5, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

1 4 2 5

Answer: _____

- 7 Use all four digits 5, 9, 7, 2, each one once, to write two 2-digit numbers. What is the largest possible sum of the two numbers?

5 9 7 2

Answer: _____

- 8 Use all four digits 5, 8, 7, 2, each one once, to write two 2-digit numbers. What is the largest possible sum of the two numbers?

5 8 7 2

Answer: _____

Grade 3

- 9 Use all four digits 7, 5, 3, 4, each one once, to write two 2-digit numbers. What is the largest possible sum of the two numbers?

7 5 3 4

Answer: _____

- 10 Use all four digits 6, 4, 3, 9, each one once, to write two 2-digit numbers. What is the smallest possible sum of the two numbers?

6 4 3 9

Answer: _____

- 11 Use all four digits 6, 3, 4, 2, each one once, to write two 2-digit numbers. Take the smaller from the bigger. What is the largest possible difference?

6 3 4 2

Answer: _____

- 12 Use all four digits 4, 6, 1, 8, each one once, to write two 2-digit numbers. What is the largest possible sum of the two numbers?

4 6 1 8

Answer: _____

Answers and solutions: Two numbers from four digits

1. Answer: 39 · Grade 1

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 1, 2 go in the tens place, and 4, 5 go in the ones place: 14 plus 25 equals 39.

2. Answer: 59 · Grade 1

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 2, 3 go in the tens place, and 4, 5 go in the ones place: 24 plus 35 equals 59.

3. Answer: 39 · Grade 1

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 1, 2 go in the tens place, and 4, 5 go in the ones place: 14 plus 25 equals 39.

4. Answer: 37 · Grade 1

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 1, 2 go in the tens place, and 3, 4 go in the ones place: 13 plus 24 equals 37.

5. Answer: 86 · Grade 2

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 3, 4 go in the tens place, and 7, 9 go in the ones place: 37 plus 49 equals 86.

6. Answer: 39 · Grade 2

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 1, 2 go in the tens place, and 4, 5 go in the ones place: 14 plus 25 equals 39.

7. Answer: 167 · Grade 2

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two largest digits 7, 9 go in the tens place, and 2, 5 go in the ones place: 95 plus 72 equals 167.

8. Answer: 157 · Grade 2

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two largest digits 7, 8 go in the tens place, and 2, 5 go in the ones place: 85 plus 72 equals 157.

9. Answer: 127 · Grade 3

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two largest digits 5, 7 go in the tens place, and 3, 4 go in the ones place: 74 plus 53 equals 127.

10. Answer: 85 · Grade 3

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two smallest digits 3, 4 go in the tens place, and 6, 9 go in the ones place: 36 plus 49 equals 85.

11. Answer: 41 · Grade 3

How to think: For the largest difference, the big number must be as big as possible and the small number as small as possible.

Solution: The biggest number is 64, using 6 and 4. The other two digits, 2 and 3, make the smallest number 23. 64 minus 23 equals 41.

12. Answer: 145 · Grade 3

How to think: A digit in the tens place is worth 10 times as much as in the ones place. Which digits go in the tens place?

Solution: The two largest digits 6, 8 go in the tens place, and 1, 4 go in the ones place: 84 plus 61 equals 145.
