



TIMO practice: Crack the code (with solutions)

4 problems · Grade 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 3

- 1 The secret code is a 3-digit number with different digits. Each row is one guess. ✓ means one digit is right and in the right place. ⇅ means one digit is right but in the wrong place. ✗ means no digit is right. What is the code?

934 ⇅

923 ⇅

136 ✓

428 ⇅ ⇅

419 ⇅

(A) 896 (B) 246 (C) 846 (D) 834

Answer: _____

- 2 The secret code is a 3-digit number with different digits. Each row is one guess. ✓ means one digit is right and in the right place. ⇅ means one digit is right but in the wrong place. ✗ means no digit is right. What is the code?

156 ✗

297 ✓

359 ⇅

713 ⇅ ⇅

138 ✓ ⇅

(A) 437 (B) 231 (C) 837

Answer: _____

- 3 The secret code is a 3-digit number with different digits. Each row is one guess. ✓ means one digit is right and in the right place. ↻ means one digit is right but in the wrong place. ✗ means no digit is right. What is the code?

873 ↻

537 ✓ ↻

354 ✓

957 ✓ ✓

624 ✗

(A) 257 (B) 157 (C) 957 (D) 857

Answer: _____

- 4 The secret code is a 3-digit number with different digits. Each row is one guess. ✓ means one digit is right and in the right place. ↻ means one digit is right but in the wrong place. ✗ means no digit is right. What is the code?

563 ✓ ↻

435 ↻

321 ✓

915 ↻

876 ✓

(A) 526 (B) 379 (C) 396 (D) 369

Answer: _____

Answers and solutions: Crack the code

1. Answer: 246 · Grade 3

How to think: Try each answer: check it against every guess row and see if all of them match.

Solution: The code 246 matches every row: the right number of  and  in each one.

2. Answer: 837 · Grade 3

How to think: Try each answer: check it against every guess row and see if all of them match.

Solution: The code 837 matches every row: the right number of  and  in each one.

3. Answer: 157 · Grade 3

How to think: Try each answer: check it against every guess row and see if all of them match.

Solution: The code 157 matches every row: the right number of  and  in each one.

4. Answer: 526 · Grade 3

How to think: Try each answer: check it against every guess row and see if all of them match.

Solution: The code 526 matches every row: the right number of  and  in each one.
