



TIMO practice: How many sides and corners (with solutions)

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

Name _____

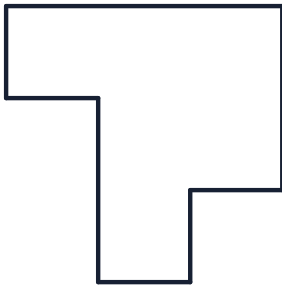
Date _____



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

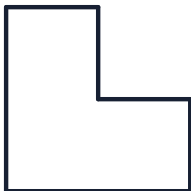
Grade 1

1 How many corners does the shape have?



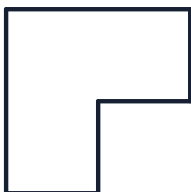
Answer: _____

2 How many sides does the shape have?



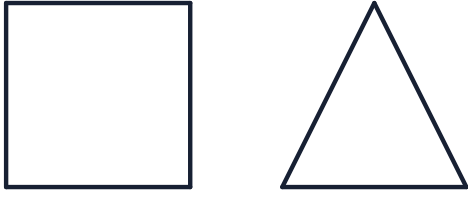
Answer: _____

3 How many sides does the shape have?



Answer: _____

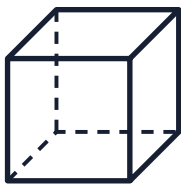
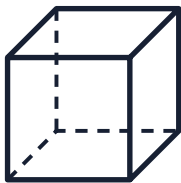
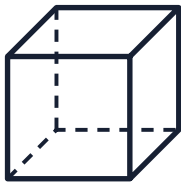
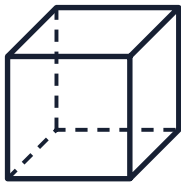
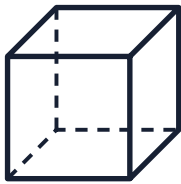
- 4 How many corners do the shapes have in all?



Answer: _____

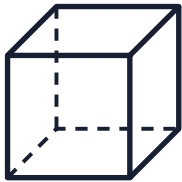
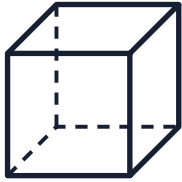
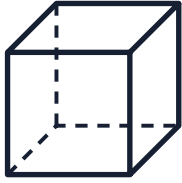
Grade 2

- 5 There are 5 cubes standing apart. How many corners do they have in all?



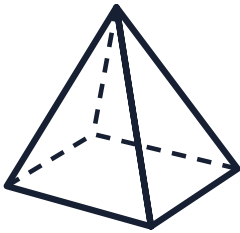
Answer: _____

- 6 There are 3 cubes standing apart. How many faces do they have in all?



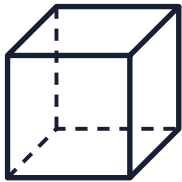
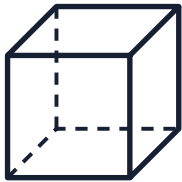
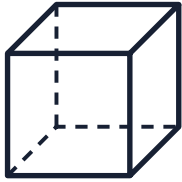
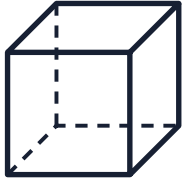
Answer: _____

- 7 The picture shows a pyramid. How many corners does it have?



Answer: _____

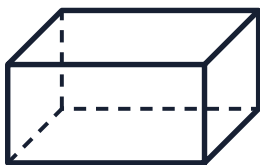
- 8 There are 4 cubes standing apart. How many edges do they have in all?



Answer: _____

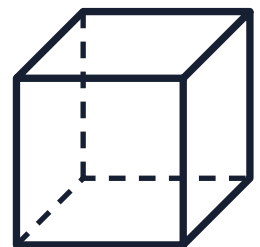
Grade 3

- 9 The picture shows a box shape. How many edges does it have?



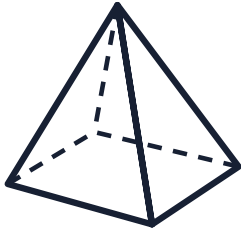
Answer: _____

- 10 The picture shows a cube. How many edges does it have?



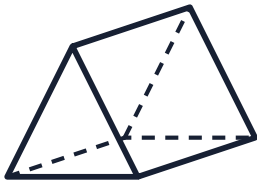
Answer: _____

- 11 The picture shows a pyramid. How many edges does it have?



Answer: _____

- 12 The picture shows a prism. How many corners does it have?



Answer: _____

Answers and solutions: How many sides and corners

1. Answer: 8 · Grade 1

How to think: Go around the shape and count every place where the edge turns, including the corners that point inward.

Solution: 6 corners pointing out plus 2 corners pointing in equals 8 corners.

2. Answer: 6 · Grade 1

How to think: Call one side number 1, then go around the shape and number every side.

Solution: Go around the shape and number each side. It has 5 corners pointing out and 1 pointing in, so it has 6 sides.

3. Answer: 6 · Grade 1

How to think: Call one side number 1, then go around the shape and number every side.

Solution: Go around the shape and number each side. It has 5 corners pointing out and 1 pointing in, so it has 6 sides.

4. Answer: 7 · Grade 1

How to think: The shapes are apart. Count each shape one at a time, then add.

Solution: Add the corners of each shape: 4 plus 3 equals 7 corners.

5. Answer: 40 · Grade 2

How to think: How many corners does one cube have? The cubes are apart, so they share no corners.

Solution: Each cube has 8 corners, and there are 5 cubes: 5 times 8 equals 40 corners.

6. Answer: 18 · Grade 2

How to think: How many faces does one cube have? The cubes are apart, so they share no faces.

Solution: Each cube has 6 faces, and there are 3 cubes: 3 times 6 equals 18 faces.

7. Answer: 5 · Grade 2

How to think: A corner is a point where edges meet. Count the corners at the bottom first, then at the top.

Solution: The base has 4 corners, plus 1 tip: 4 plus 1 equals 5 corners.

8. Answer: 48 · Grade 2

How to think: How many edges does one cube have? The cubes are apart, so they share no edges.

Solution: Each cube has 12 edges, and there are 4 cubes: 4 times 12 equals 48 edges.

9. Answer: 12 · Grade 3

How to think: An edge is a line where two faces meet. Count in groups: bottom edges, side edges, top edges.

Solution: The bottom base has 4 edges, the top base has 4 edges, and there are 4 side edges: 4 plus 4 plus 4 equals 12 edges.

10. Answer: 12 · Grade 3

How to think: An edge is a line where two faces meet. Count in groups: bottom edges, side edges, top edges.

Solution: The bottom base has 4 edges, the top base has 4 edges, and there are 4 side edges: 4 plus 4 plus 4 equals 12 edges.

11. Answer: 8 · Grade 3

How to think: An edge is a line where two faces meet. Count in groups: bottom edges, side edges, top edges.

Solution: The base has 4 edges, plus 4 side edges going up to the tip: 4 plus 4 equals 8 edges.

12. Answer: 6 · Grade 3

How to think: A corner is a point where edges meet. Count the corners at the bottom first, then at the top.

Solution: The bottom base has 3 corners and the top base has 3 corners: 3 plus 3 equals 6 corners.
