Year 3 maths: Four-sided shapes and their properties (Easy)

Maths · Shapes and space
Level: Easy

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. What do we call any shape with 4 straight sides?

Circle one answer.

○ **A** a pentagon ○ **B** a quadrilateral ○ **C** a triangle ○ **D** a hexagon

2. How many right angles does a rectangle have?

Answer: ☐ right angles

Working:

3. Which shape has all 4 sides the same length and 4 right angles?

Circle one answer.

○ **A** rectangle ○ **B** square ○ **C** rhombus ○ **D** kite

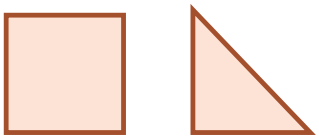
4. Which sides of a rectangle are the same length?

Circle one answer.

○ **A** no sides
○ **B** sides that are next to each other
○ **C** all four sides
○ **D** opposite sides

5. How many right angles do these two shapes have altogether?

Answer: ☐ right angles



A **B**

Working:

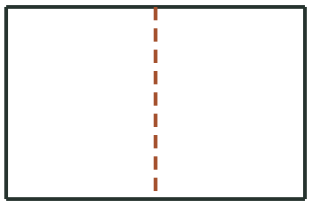
6. Which capital letter has no right angles?

Circle one answer.

○ **A** V ○ **B** L ○ **C** T

7. This rectangle is cut along the dashed line. What shapes are made?

Circle one answer.



○ **A** two rectangles

○ **B** a triangle and a rectangle

○ **C** two triangles

8. An isosceles triangle has sides of 6 cm, 6 cm and 4 cm. What is its perimeter?

Circle one answer.

○ **A** 10 cm ○ **B** 12 cm ○ **C** 16 cm

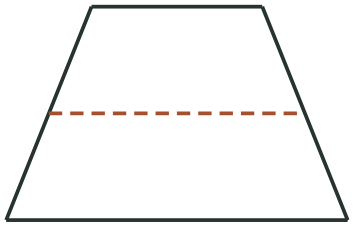
9. An isosceles triangle has two equal sides. One of the equal sides is 8 cm. How long is the other equal side?

Circle one answer.

○ **A** 4 cm ○ **B** 8 cm ○ **C** 16 cm

10. This trapezium is cut along the dashed line, straight across. How many corners does each piece have?

Circle one answer.



○ **A** 3 ○ **B** 4 ○ **C** 5

Answer key

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1. B — a quadrilateral
'Quad' means four. A quadrilateral has 4 straight sides.

2. 4 right angles
Every corner of a rectangle is a square corner: 4 right angles.

3. B — square
A square has 4 equal sides and 4 right angles. A rhombus has equal sides but no right angles.

4. D — opposite sides
The two long sides face each other and the two short sides face each other.

5. 5 right angles
The square has 4 right angles and the triangle has 1. 4 + 1 = 5.

6. A — V
L has 1 right angle and T has 2. V has no square corners.

7. A — two rectangles
The cut goes straight down, so each piece has 4 square corners: two rectangles.

8. C — 16 cm
6 + 6 + 4 = 16 cm.

9. B — 8 cm
Equal sides are the same length, so the other one is 8 cm too.

10. B — 4
Each piece keeps 2 corners of the trapezium and gets 2 new corners at the ends of the cut: 4.