Steady Steps Maths

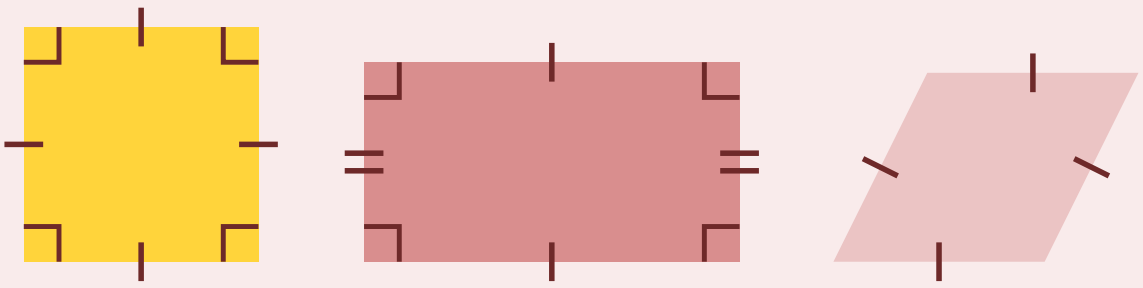
FREE SAMPLE WORKSHEET · TOPIC 11

FREE SAMPLE

Shapes & Equal Parts

Free sample worksheet · with answers

GRADE 3



square rectangle rhombus

Common Core 3.G.A.1–2

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Quick recap

The big idea from each pack in this topic. Read it first, then try the questions.

Learn it · Pack 1 · Shape attributes

Count sides and corners; look for right angles (small squares) and equal sides (matching marks).

A shape with 7 sides and 7 corners is a **heptagon**.

Learn it · Pack 2 · Quadrilaterals

Any shape with 4 straight sides. Rectangles have 4 right angles; rhombuses have 4 equal sides; squares have both.

A square is also a rectangle and a rhombus.

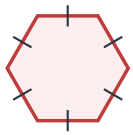
Learn it · Pack 3 · Equal parts

Equal parts cover the same area. Each part is a unit fraction.

A circle cut into 3 equal parts: each part is **1/3**.

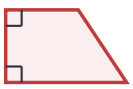
PACK 1 Shape Attributes & Categories

1 How many sides? What is the shape called?



Answer

2 How many right angles does this shape have?

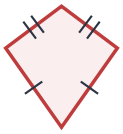


Answer

3 A shape has 8 corners. What is it called?

Answer

4 Are all the sides of this shape the same length?



Answer

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5 A shape has 3 sides and 3 corners. What is it called?

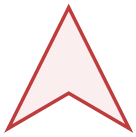
Answer

6 How many corners does a pentagon have?

Answer

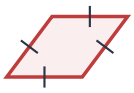
PACK 2 Quadrilaterals

7 Is this shape a quadrilateral? Write yes or no.



Answer

8 Square, rectangle or rhombus? Use the marks.



Answer

9 What am I? I have 4 right angles but my sides are not all equal.

Answer

10 Name one thing a rectangle and a rhombus always share.

Answer

11 Is a triangle a quadrilateral?

Answer

12 Can a quadrilateral have no right angles? Name one.

Answer

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PACK 3

Equal Parts of Shapes

13 Are the parts equal? Write yes or no.



Answer

14 The parts are equal. What fraction is shaded?



Answer

15 A flag is split into 6 equal parts. What fraction is one part?

Answer

16 Do equal parts have to be the same shape?

Answer

Real life

Read carefully, then show your working

17 A window has 8 equal panes and each corner of the window is a right angle. (a) What fraction of the window is one pane? (b) All 4 sides of the window are the same length. What shape is the window?

Answer

18 A tile has 4 right angles and 4 equal sides. (a) Is it a rectangle? Explain. (b) What is its best name?

Answer

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Answer key

For parents · check the steps as well as the final answer

Pack 1	**1)** 6, a hexagon **2)** 2 **3)** an octagon **4)** no **5)** a triangle **6)** 5
Pack 2	**7)** yes **8)** rhombus **9)** a rectangle **10)** 4 sides (or 4 corners) **11)** no (3 sides) **12)** yes, e.g. a kite, or a rhombus that is not a square
Pack 3	**13)** yes **14)** 1/4 **15)** 1/6 **16)** no, just the same area
Real life	**17)** (a) 1/8 (b) a square **18)** (a) yes, it has 4 right angles (b) a square

Tip: A square is also a rectangle and a rhombus, so those answers are fine with a reason. Equal parts need the same area, not the same shape.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 129, plus 10 unit tests.

Everything a Grade 3 student needs on shapes: sides, corners and right angles, sorting shapes by what they have in common, quadrilaterals such as squares, rectangles and rhombuses, and splitting shapes into equal parts that are each a unit fraction of the whole.

What you get	What's inside	Questions
Pack 1 · Shape Attributes & Categories	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.G.A.1	40
Pack 2 · Quadrilaterals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.G.A.1	44
Pack 3 · Equal Parts of Shapes	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.G.A.2	45
Complete Topic book	All 3 packs in one book with a contents page	129
10 Unit Tests (A–J)	40 marks each, about 40 minutes, with a mark scheme and a "what to revise" table. **Test A is free.**	18 per test

How to use this sample

1. Let your child read the recap page and try the questions on their own.
2. Mark together with the answer key. Each section shows which pack it comes from.
3. If a section felt hard, that pack is the place to start. If it all felt easy, try the free Unit Test A.

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