Steady Steps Maths

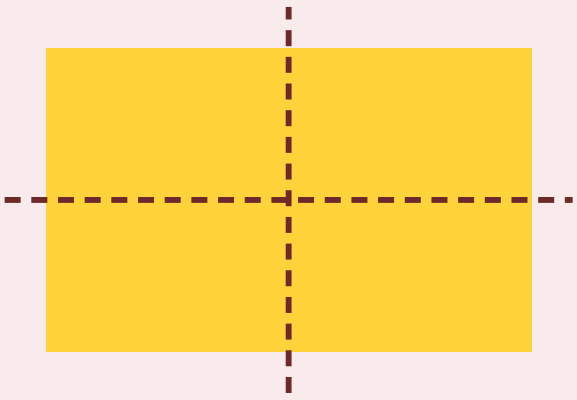
FREE SAMPLE WORKSHEET · TOPIC 11

FREE SAMPLE

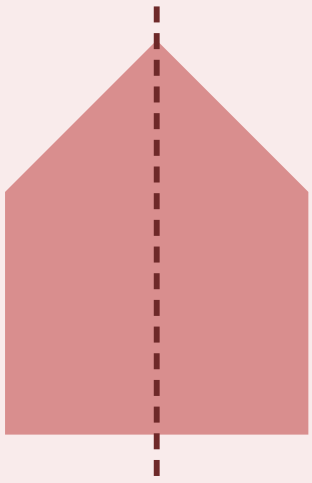
Lines, Shapes & Symmetry

Free sample worksheet · with answers

GRADE 4



2 lines of symmetry



1 line

Common Core 4.G.A.1–3

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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 · Lines and rays

Line: arrows at both ends. Ray: one endpoint.

Perpendicular lines meet at **90°**.

Learn it · Pack 2 · Classifying shapes

Check the angles; count parallel pairs.

A triangle with a 100° angle is **obtuse**.

Learn it · Pack 3 · Line symmetry

A fold line that makes two matching halves.

A rectangle (not a square) has **2** lines.

PACK 1 Points, Lines & Rays

1 Name this figure.



Answer _____

2 Name this figure.



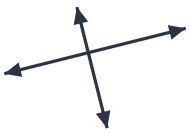
Answer _____

3 Name this figure.



Answer _____

4 Are these lines parallel, perpendicular or neither?



Answer _____

5 How many endpoints has a line segment?

Answer _____

6 How many right angles has a rectangle?

Answer _____

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PACK 2

Classifying Shapes

7 Angles 40°, 50°, 90°: right, acute or obtuse triangle?

Answer

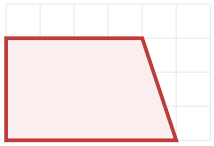
8 Angles 30°, 40°, 110°: right, acute or obtuse triangle?

Answer

9 Angles 55°, 60°, 65°: right, acute or obtuse triangle?

Answer

10 Count the pairs of parallel sides and the right angles.



Answer

11 Can a triangle have two right angles?

Answer

12 Does a triangle have any parallel sides?

Answer

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PACK 3

Line Symmetry

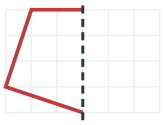
13 Does a square have a vertical line of symmetry?

Answer

14 Lines of symmetry of an equal-sided triangle?

Answer

15 Complete the shape. How many sides does it have?



Answer

16 How many lines of symmetry does this kite have?



Answer

Real life

Read carefully, then show your working

17 A window is a rectangle 120 cm wide and 80 cm tall.
(a) How many right angles are at its corners? (b) How many lines of symmetry does it have? (c) Which sides are parallel to each other?

Answer

18 The two rails of a straight railway track never meet. A road crosses both rails, making square corners.
(a) What word describes the two rails? (b) What word describes the road and each rail?

Answer

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Answer key

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

Pack 1	**1)** line segment KL (or LK) **2)** line PQ (or QP) **3)** ray TW **4)** perpendicular **5)** 2 **6)** 4
Pack 2	**7)** right **8)** obtuse **9)** acute **10)** 1 pair, 2 right angles **11)** no: the two sides from the right angles would be parallel and never meet **12)** no
Pack 3	**13)** yes **14)** 3 **15)** 5 **16)** 1
Real life	**17)** (a) 4 (b) 2 (c) the top and the bottom; the two sides **18)** (a) parallel (b) perpendicular

Tip: To test a line of symmetry, imagine folding along it: every corner must land exactly on another corner.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 123, plus 10 unit tests.

Everything a Grade 4 student needs on geometry: points, lines, line segments and rays, parallel and perpendicular lines, right, acute and obtuse triangles, sorting shapes by their sides and angles, and lines of symmetry.

What you get	What's inside	Questions
Pack 1 · Points, Lines & Rays	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.G.A.1	43
Pack 2 · Classifying Shapes	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.G.A.2	40
Pack 3 · Line Symmetry	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.G.A.3	40
Complete Topic book	All 3 packs in one book with a contents page	123
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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