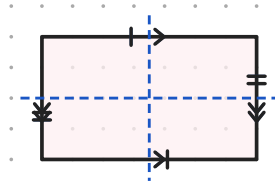


Properties of Quadrilaterals

ANSWERS

1

Complete the properties and name the quadrilateral.



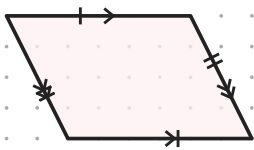
Arrows show parallel sides. Ticks show equal sides.

pairs of parallel sides lines of symmetry

Name rectangle

2

Complete the properties and name the quadrilateral.

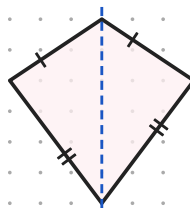


pairs of parallel sides lines of symmetry

Name parallelogram

3

Complete the properties and name the quadrilateral.

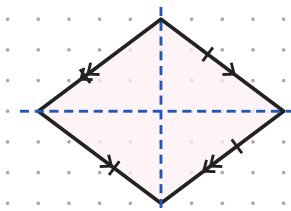


pairs of parallel sides lines of symmetry

Name kite

4

Complete the properties and name the quadrilateral.

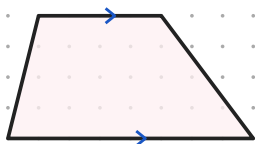


pairs of parallel sides lines of symmetry

Name rhombus

5

Complete the properties and name the quadrilateral.

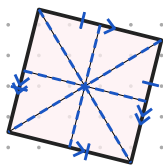


pairs of parallel sides lines of symmetry

Name trapezium

6

Complete the properties and name the quadrilateral.

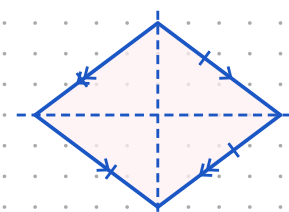


pairs of parallel sides lines of symmetry

Name square

7

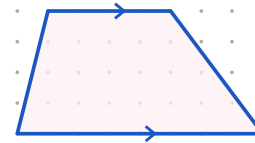
My four sides are all equal. I have no right angles. What am I?



Name rhombus

8

I have exactly one pair of parallel sides. What am I?



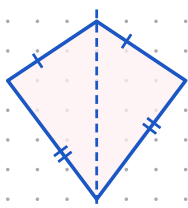
Name trapezium

Properties of Quadrilaterals further practice

ANSWERS

9

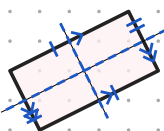
I have exactly one line of symmetry. I have no parallel sides. None of my angles is bigger than 180° . What am I?



Name kite

10

Complete the properties and name the quadrilateral.

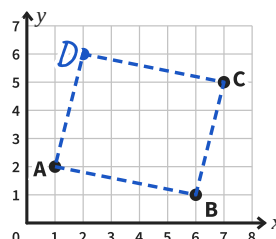


pairs of parallel sides lines of symmetry

Name rectangle

11

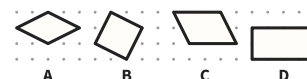
A, B and C are three corners of a lawn ABCD in the shape of a parallelogram. Plot corner D and write its coordinates.



D (2, 6)

12

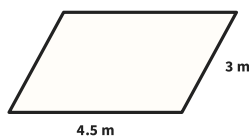
Write the letter of each quadrilateral in the right place in the table.



	all sides equal	sides not all equal
four right angles	<u>B</u>	<u>D</u>
no right angles	<u>A</u>	<u>C</u>

13

A patio is a parallelogram. Edging stones go all the way round it. Find the total length of the edging.



$$4.5 + 3 + 4.5 + 3$$

Answer 15 m

14

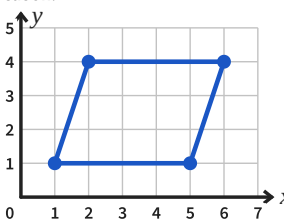
A mirror has four right angles. Its perimeter is 50 cm and one side is 15 cm long. Find the lengths of the other three sides.

$$50 - 15 - 15 = 20, \text{ then } \div 2$$

Answer 15 cm, 10 cm, 10 cm

15

A quadrilateral has corners at (1, 1), (5, 1), (6, 4) and (2, 4). Name the quadrilateral and give a reason.



Name parallelogram

16

Ellie says that every rhombus is a square, because all four sides of a rhombus are equal. Is Ellie right? Explain.

a rhombus need not have right angles

Answer No