Lines of Symmetry

MathApex

Name: _____ Date: _____

Watch video

From the video A rectangle has 2 lines of symmetry, a square **4**

1 Now it's your turn!

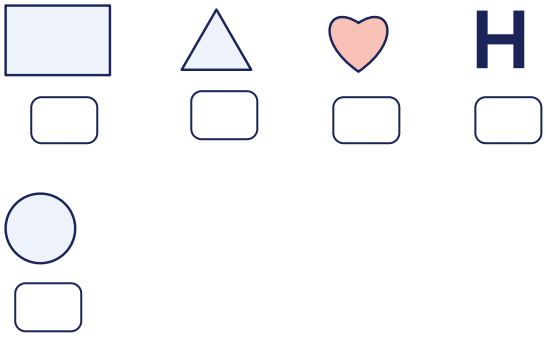


How many lines of symmetry does a square have?

Fold it in your head: both halves must fit exactly on top of each other.

☐ lines

2 How many lines of symmetry?



☐

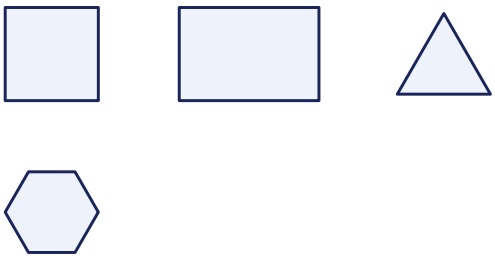
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3 Draw all the lines of symmetry.



Use a ruler.

4 Symmetrical or not?

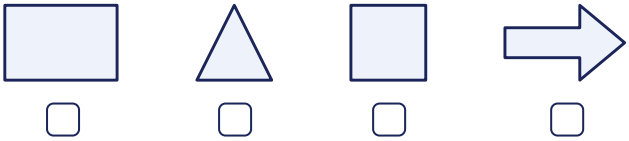
Tick the symmetrical letters.

E ☐ Z ☐ A ☐ M ☐ F ☐

T ☐

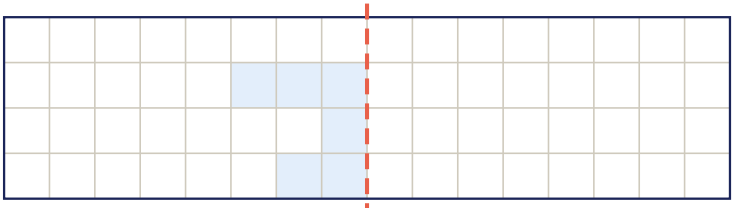
5 Think backwards.

Which shape has exactly one line of symmetry? Tick it.



☐ ☐ ☐ ☐

6 Complete the symmetrical shape.



The red line is the line of symmetry.

★ Brain teaser

A circle has infinitely many lines of symmetry. Why? Draw three of them in a circle and explain.

MathApex

MATH STORY 52 · ANSWERS

Lines of Symmetry

Watch video

1 Now it's your turn!

4 lines

Two through the middles of the sides, two through the corners (diagonals).

2 How many lines of symmetry?

2 (rectangle)
3 (equilateral triangle)
1 (heart)
2 (H)
many (circle)

3 Draw all the lines of symmetry.

Square 4
Rectangle 2
Equilateral triangle 3
Hexagon 6

4 Symmetrical or not?

E: yes
Z: no
A: yes
M: yes
F: no
T: yes

5 Think backwards.

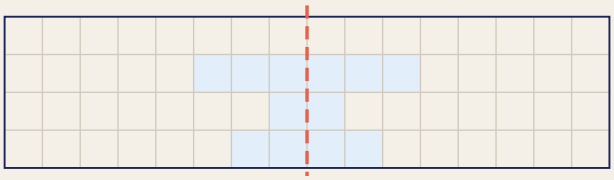
The isosceles triangle and the arrow

Rectangle 2 lines, square 4 lines.

★ Brain teaser

Every straight line through the middle is a line of symmetry – and there are infinitely many of them.

6 Completing.



6 + 6 = 12 squares

For parents and teachers: This worksheet goes with the video "Lines of Symmetry" (Math Story 52, Grade 4). You find lines of symmetry by folding: both halves must cover each other exactly. A mirror or tracing paper helps with checking.

More Math Stories with video and worksheet: **www.mathapex.app/en/math-stories/**