Name: _____ Date: _____

Symmetry

Write the answer in the box. Some answers have a pick list.



1 What does a vertical line of symmetry tell you?

💡 Hint: Read the question again slowly. What do you need to find? Draw a picture to help.

The left and right halves are mirror images.

2 A design has a red dot 2 squares above and 3 squares left of a vertical mirror line. Where is its image?

💡 Hint: Line up the digits. Start with the ones.

3 squares right and 2 squares above the mirror line

3 A line divides a pattern into two matching mirror-image halves. Is it a line of symmetry?

💡 Hint: Find the jump between two numbers next to each other.

Yes

4 Which has more lines of symmetry: a square or a non-square rectangle?

💡 Hint: Line up the digits. Start with the ones.

A square

5 A point is 3 squares left and 2 squares up from a vertical mirror line. Describe its image.

💡 Hint: Line up the digits. Start with the ones.

3 squares right and 2 squares up

6 Why does a circle have more than one line of symmetry?

💡 Hint: Read the question again slowly. What do you need to find? Draw a picture to help.

Every line through its centre is a line of symmetry.

7 How many lines of symmetry does a regular hexagon have?

💡 Hint: Read the question again slowly. What do you need to find? Draw a picture to help.

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