

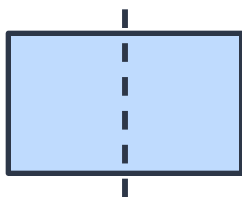
Lines of Symmetry

Is the dashed line a line of symmetry? Circle Yes or No.

A line of symmetry cuts a shape into two halves that match. Fold the shape on the line: the two halves fit exactly on top of each other.



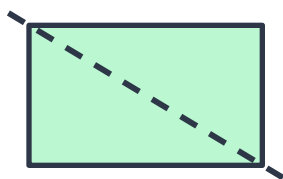
Example



Yes

No

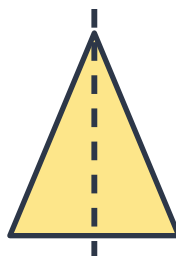
1.



Yes

No

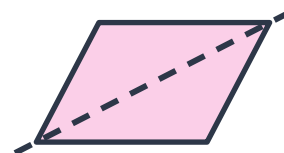
2.



Yes

No

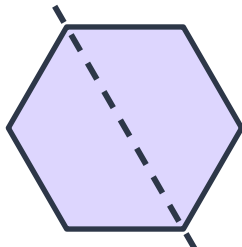
3.



Yes

No

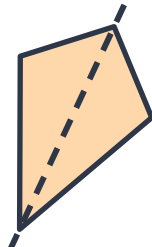
4.



Yes

No

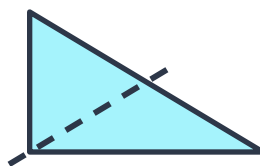
5.



Yes

No

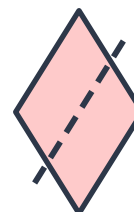
6.



Yes

No

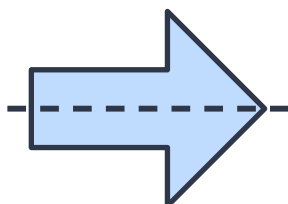
7.



Yes

No

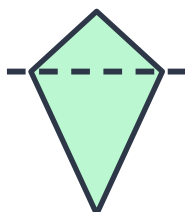
8.



Yes

No

9.



Yes

No

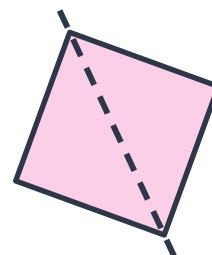
10.



Yes

No

11.



Yes

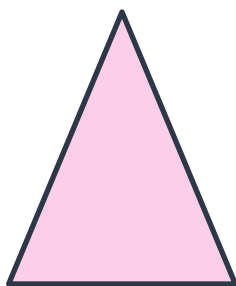
No

Lines of Symmetry

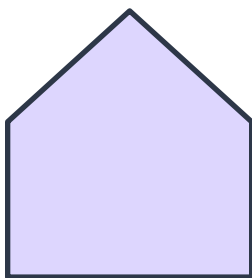
Draw one line of symmetry on each shape. Use a ruler.

Each shape has at least one line of symmetry. Draw a line that folds the shape into two halves that match.

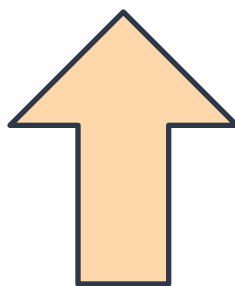
1.



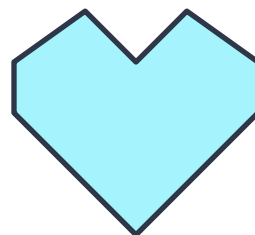
2.



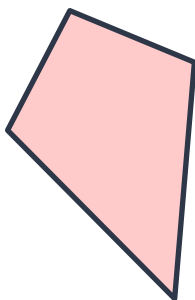
3.



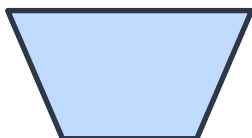
4.



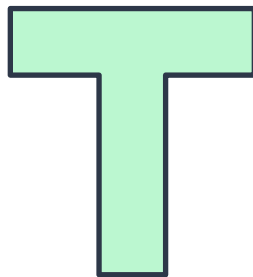
5.



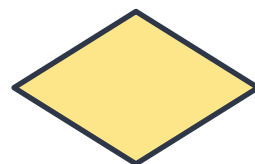
6.



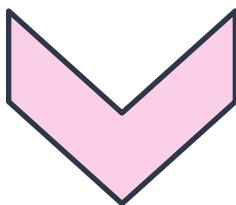
7.



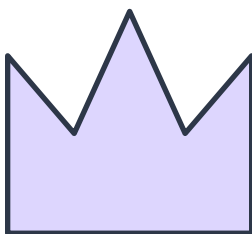
8.



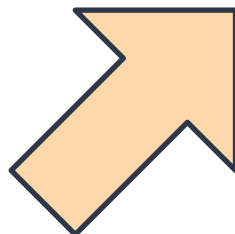
9.



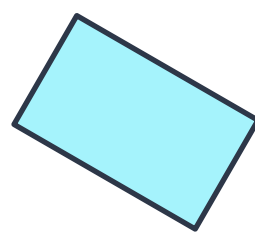
10.



11.



12.

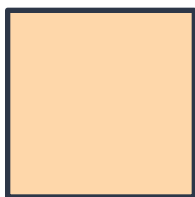


Lines of Symmetry

Draw all the lines of symmetry. Write how many.

A regular polygon has all sides the same length and all angles the same size.
Some shapes have no line of symmetry: write **0** for them.

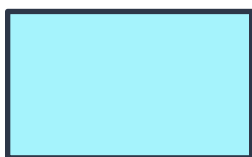
1.



square

Lines: _____

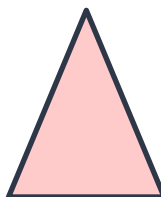
2.



rectangle

Lines: _____

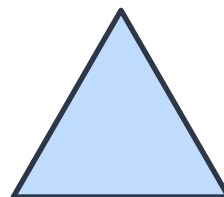
3.



isosceles triangle

Lines: _____

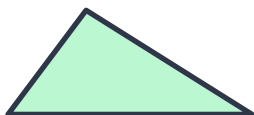
4.



equilateral triangle

Lines: _____

5.



scalene triangle

Lines: _____

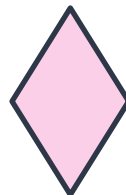
6.



kite

Lines: _____

7.



rhombus

Lines: _____

8.



parallelogram

Lines: _____

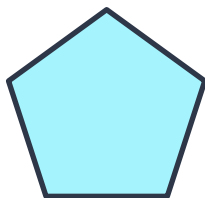
9.



isosceles trapezoid

Lines: _____

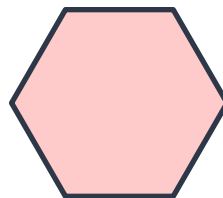
10.



regular pentagon

Lines: _____

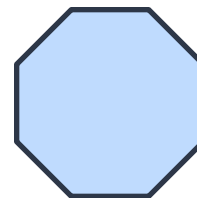
11.



regular hexagon

Lines: _____

12.



regular octagon

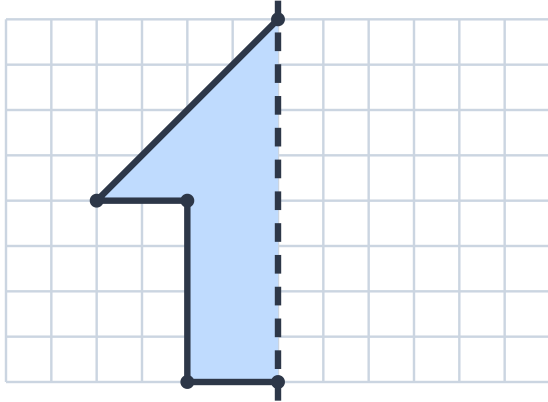
Lines: _____

Lines of Symmetry

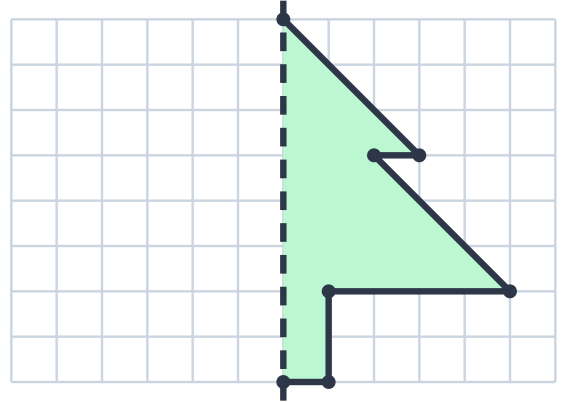
Finish each shape so the dashed line is a line of symmetry.

Count the squares from each corner to the dashed line. Mark a dot the same number of squares away on the other side. Then join the dots.

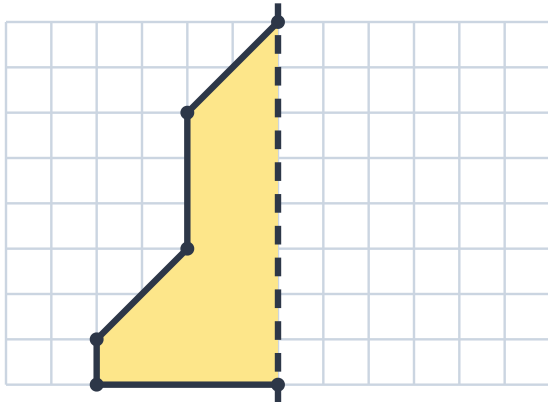
1.



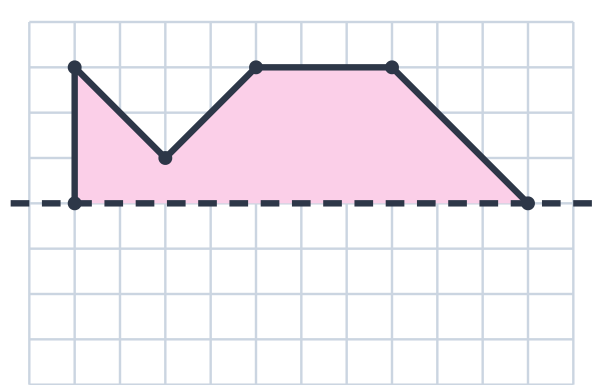
2.



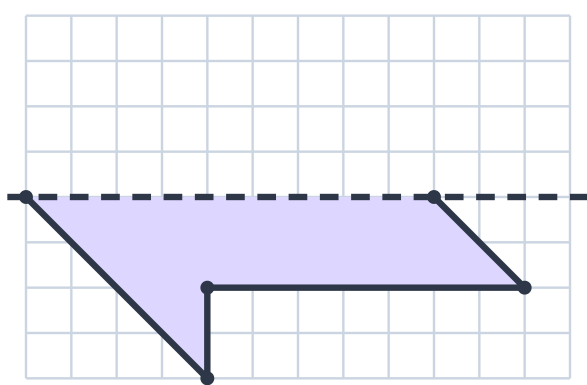
3.



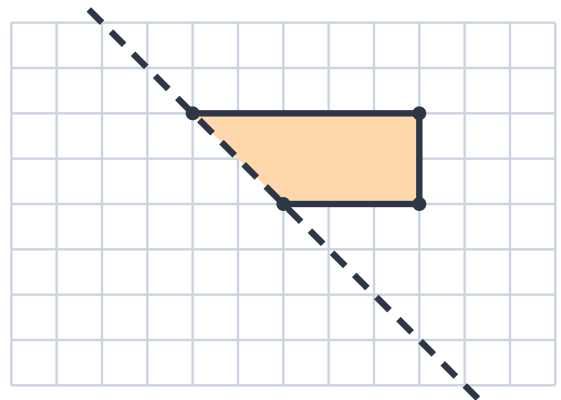
4.



5.

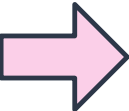
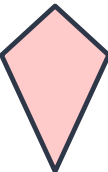
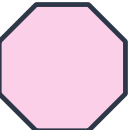
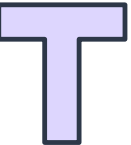


6.



Sort the shapes by their lines of symmetry. Then answer.

Write each number in the table.

1		2		3		4		5		6	
7		8		9		10		11		12	

0 lines	1 line	2 lines	more than 2 lines

How many more?

A 6x10 grid of 60 small blue circles. The circles are arranged in 6 rows and 10 columns, with a small gap between each circle. The grid is composed of 60 identical blue circles.

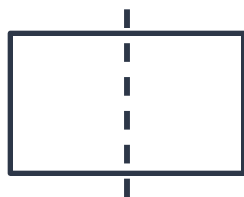
Lines of Symmetry

Is the dashed line a line of symmetry? Circle Yes or No.

A line of symmetry cuts a shape into two halves that match. Fold the shape on the line: the two halves fit exactly on top of each other.



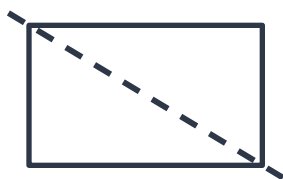
Example



Yes

No

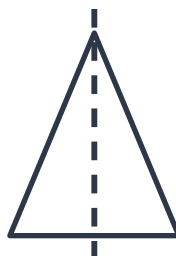
1.



Yes

No

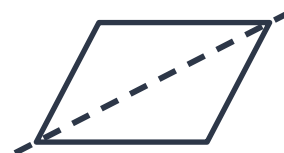
2.



Yes

No

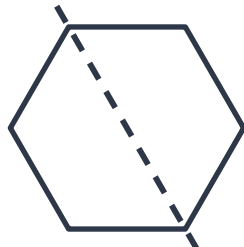
3.



Yes

No

4.



Yes

No

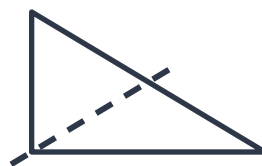
5.



Yes

No

6.



Yes

No

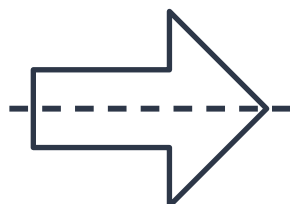
7.



Yes

No

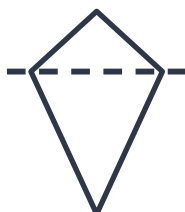
8.



Yes

No

9.



Yes

No

10.



Yes

No

11.



Yes

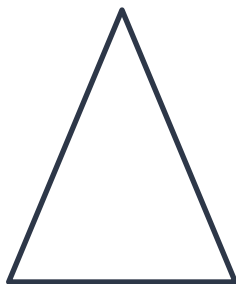
No

Lines of Symmetry

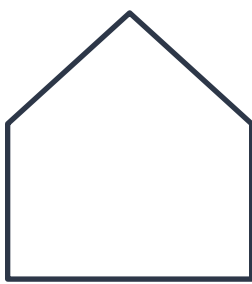
Draw one line of symmetry on each shape. Use a ruler.

Each shape has at least one line of symmetry. Draw a line that folds the shape into two halves that match.

1.



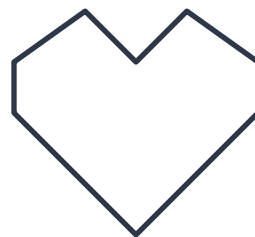
2.



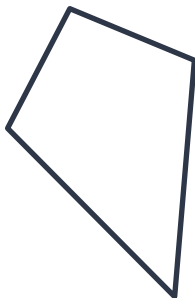
3.



4.



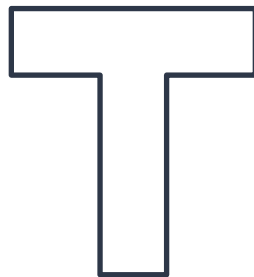
5.



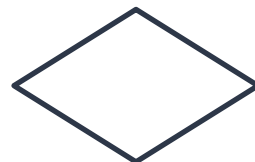
6.



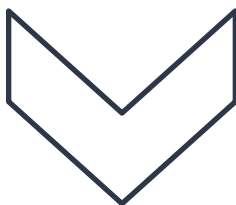
7.



8.



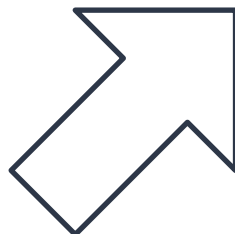
9.



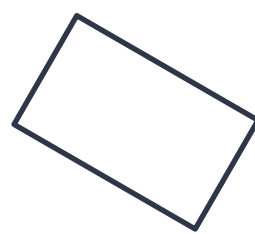
10.



11.



12.



Lines of Symmetry

Draw all the lines of symmetry. Write how many.

A regular polygon has all sides the same length and all angles the same size.
Some shapes have no line of symmetry: write **0** for them.

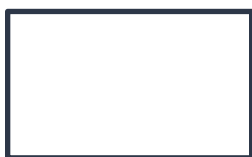
1.



square

Lines: _____

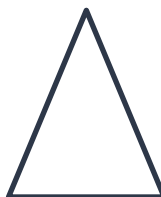
2.



rectangle

Lines: _____

3.



isosceles triangle

Lines: _____

4.



equilateral triangle

Lines: _____

5.



scalene triangle

Lines: _____

6.



kite

Lines: _____

7.



rhombus

Lines: _____

8.



parallelogram

Lines: _____

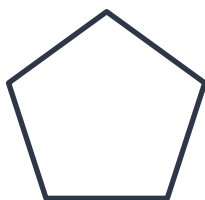
9.



isosceles trapezoid

Lines: _____

10.



regular pentagon

Lines: _____

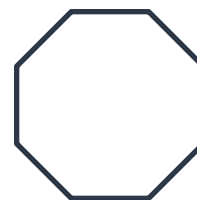
11.



regular hexagon

Lines: _____

12.



regular octagon

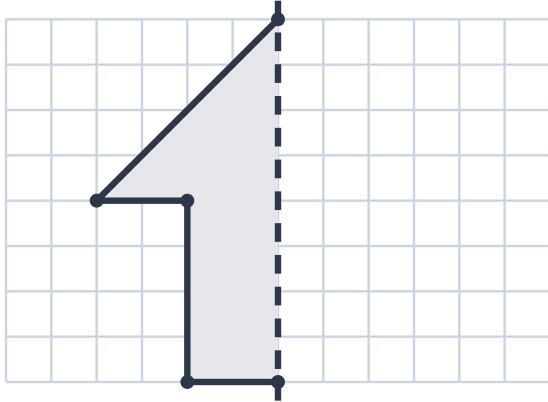
Lines: _____

Lines of Symmetry

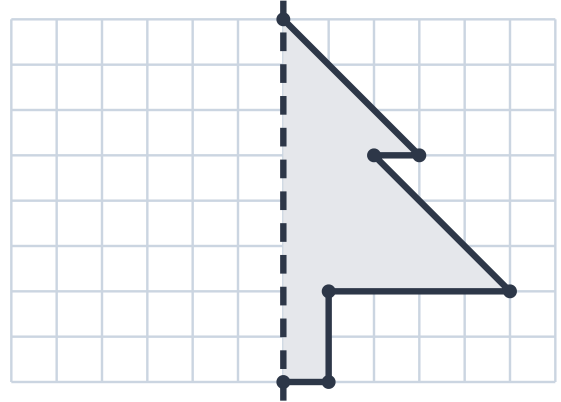
Finish each shape so the dashed line is a line of symmetry.

Count the squares from each corner to the dashed line. Mark a dot the same number of squares away on the other side. Then join the dots.

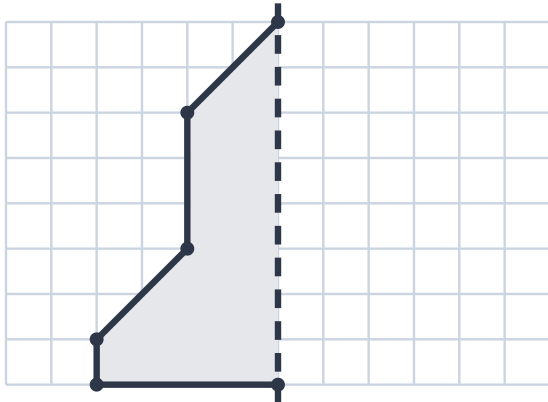
1.



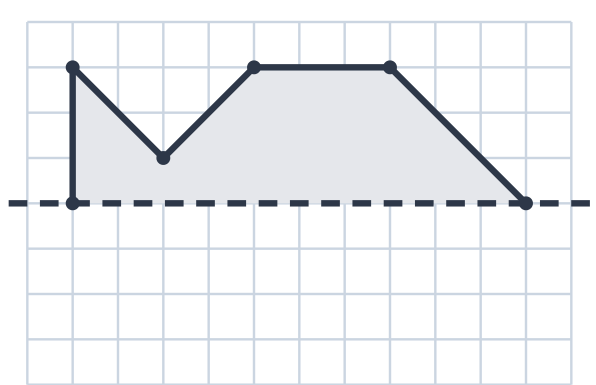
2.



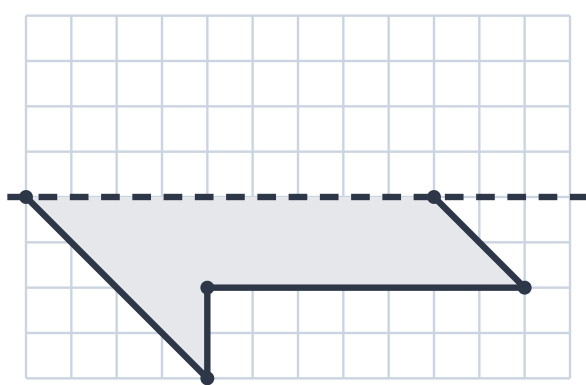
3.



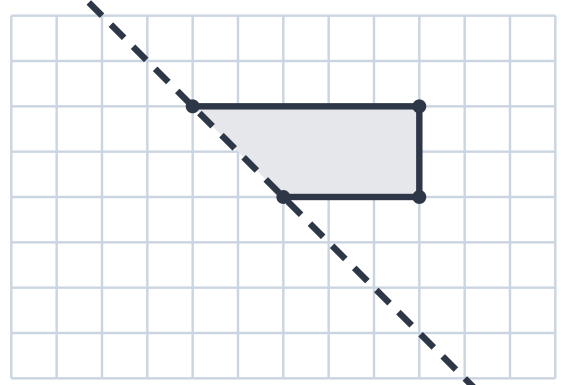
4.



5.



6.



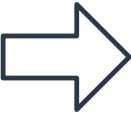
Lines of Symmetry

Sort the shapes by their lines of symmetry. Then answer.

Write each number in the table.

1

2

3

4

5

6

7

8

9

10

11

12

0 lines	1 line	2 lines	more than 2 lines

1. Which has more lines of symmetry, a square or a rectangle?

Circle: **square** **rectangle**

How many more? _____

2. Draw a polygon with exactly 1 line of symmetry. Draw the line.

3. Draw a polygon with exactly 2 lines of symmetry. Draw the lines.

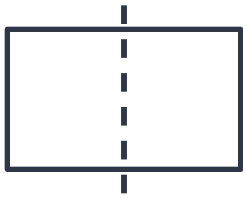
Lines of Symmetry

Is the dashed line a line of symmetry? Circle Yes or No.

A line of symmetry cuts a shape into two halves that match. Fold the shape on the line: the two halves fit exactly on top of each other.



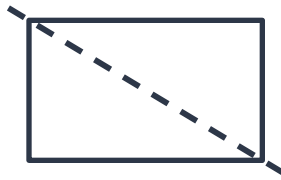
Example



Yes

No

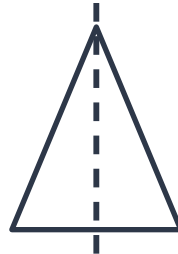
1.



Yes

No

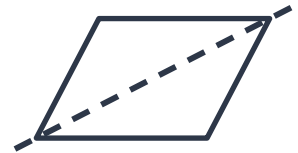
2.



Yes

No

3.



Yes

No

4.



Yes

No

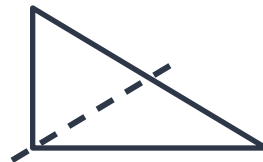
5.



Yes

No

6.



Yes

No

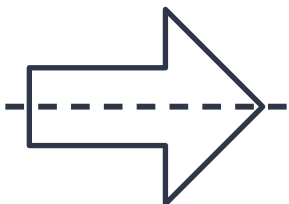
7.



Yes

No

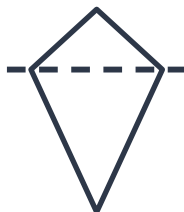
8.



Yes

No

9.



Yes

No

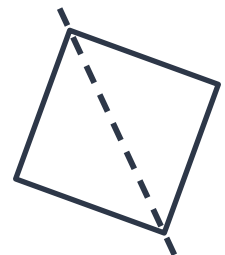
10.



Yes

No

11.



Yes

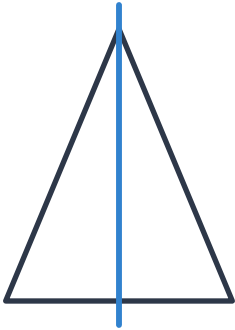
No

Lines of Symmetry

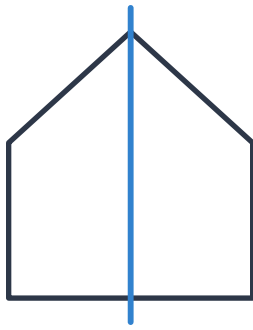
Draw one line of symmetry on each shape. Use a ruler.

Every line of symmetry is shown in blue. Any one of them is right.

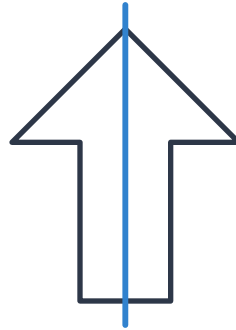
1.



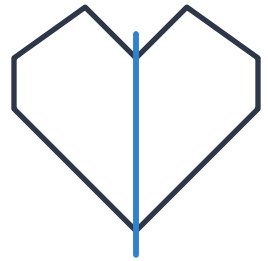
2.



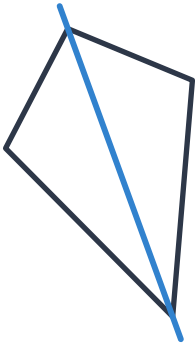
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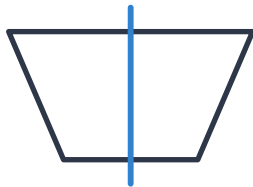
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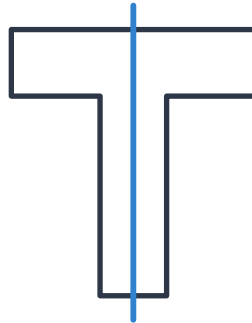
5.



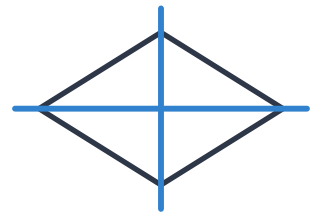
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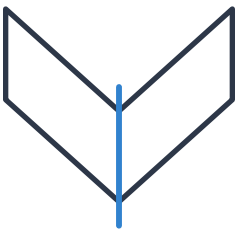
7.



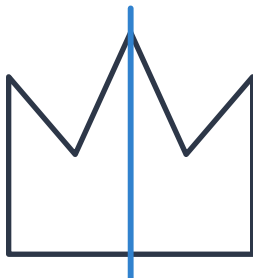
8.



9.



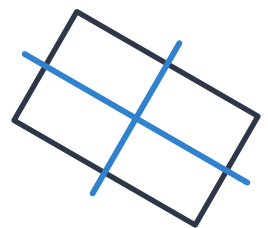
10.



11.



12.

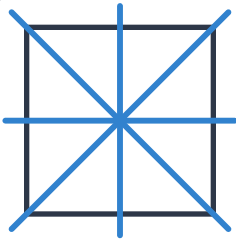


Lines of Symmetry

Draw all the lines of symmetry. Write how many.

A regular polygon has all sides the same length and all angles the same size.
Some shapes have no line of symmetry: write **0** for them.

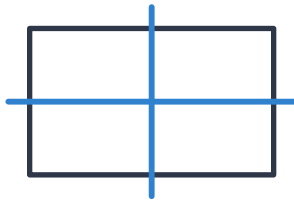
1.



square

Lines: 4

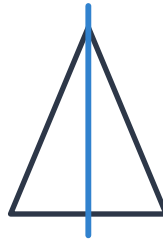
2.



rectangle

Lines: 2

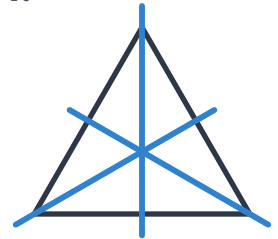
3.



isosceles triangle

Lines: 1

4.



equilateral triangle

Lines: 3

5.



scalene triangle

Lines: 0

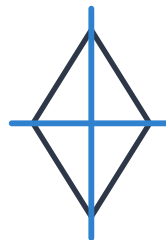
6.



kite

Lines: 1

7.



rhombus

Lines: 2

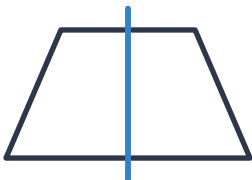
8.



parallelogram

Lines: 0

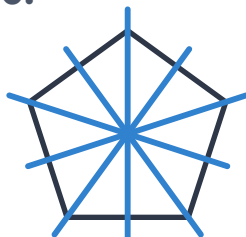
9.



isosceles trapezoid

Lines: 1

10.



regular pentagon

Lines: 5

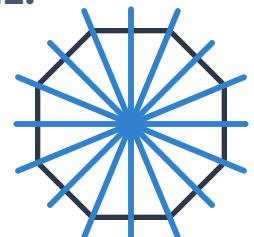
11.



regular hexagon

Lines: 6

12.



regular octagon

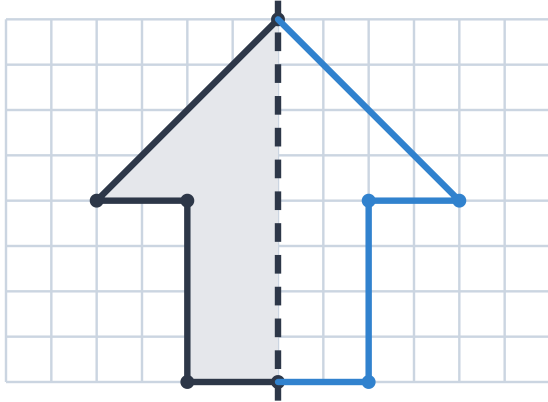
Lines: 8

Lines of Symmetry

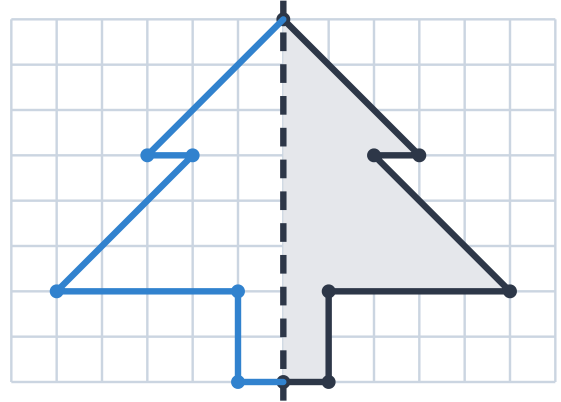
Finish each shape so the dashed line is a line of symmetry.

Count the squares from each corner to the dashed line. Mark a dot the same number of squares away on the other side. Then join the dots.

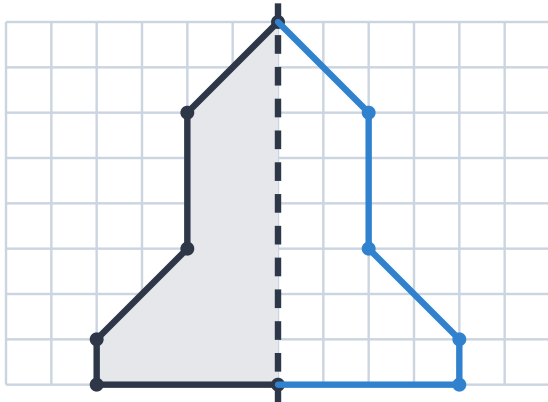
1.



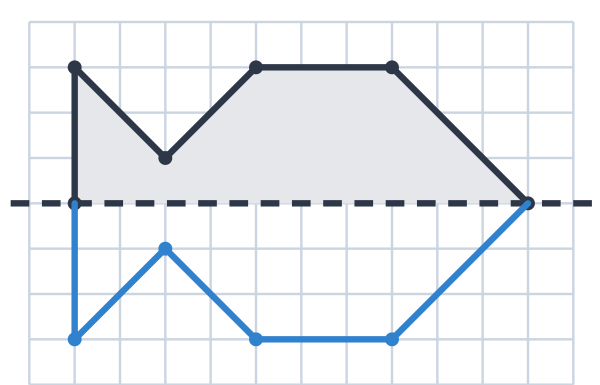
2.



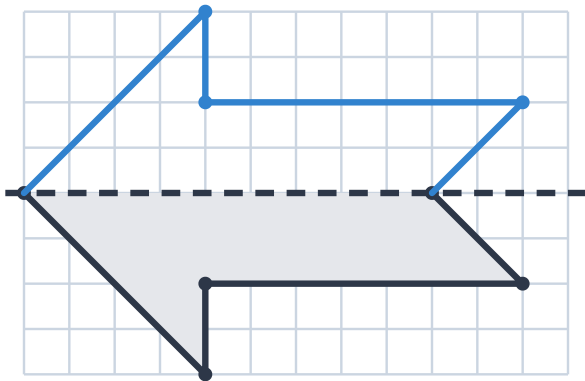
3.



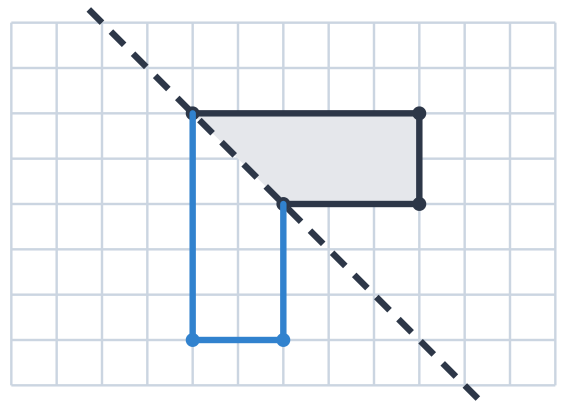
4.



5.



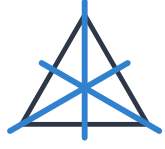
6.



Lines of Symmetry

Sort the shapes by their lines of symmetry. Then answer.

Write each number in the table.

1 	2 	3 	4 	5 	6 
7 	8 	9 	10 	11 	12 

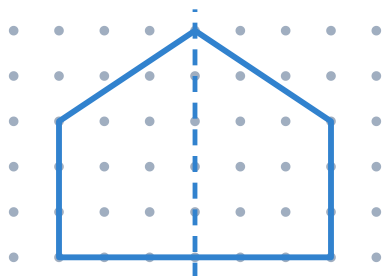
0 lines	1 line	2 lines	more than 2 lines
2 6 9	3 7 12	1 5 10	4 8 11

1. Which has more lines of symmetry, a square or a rectangle?

Circle: square rectangle

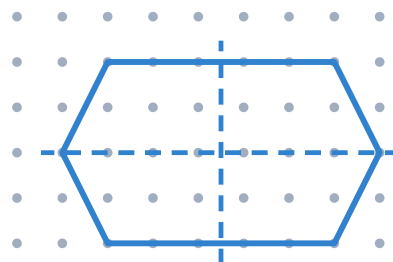
How many more? 2

2. Draw a polygon with exactly 1 line of symmetry. Draw the line.



One answer

3. Draw a polygon with exactly 2 lines of symmetry. Draw the lines.



One answer