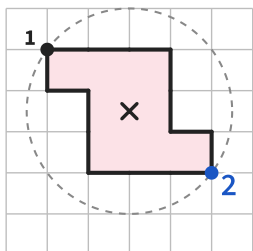


Rotational Symmetry

ANSWERS

1

Find the order of rotational symmetry.

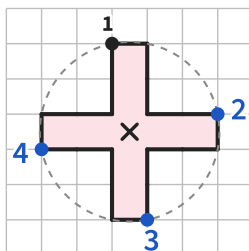


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **2**

2

Find the order of rotational symmetry.

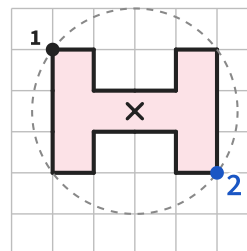


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **4**

3

Find the order of rotational symmetry.

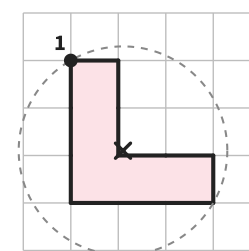


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **2**

4

Find the order of rotational symmetry.

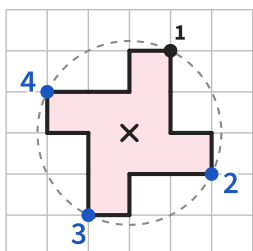


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **1**

5

Find the order of rotational symmetry.

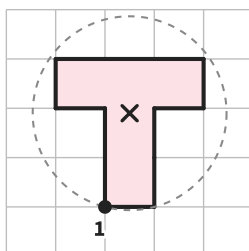


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **4**

6

Find the order of rotational symmetry.

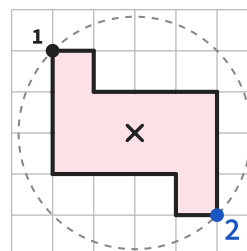


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **1**

7

This is a logo. Find its order of rotational symmetry.

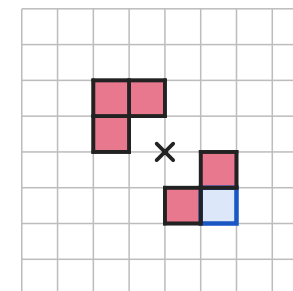


	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **2**

8

Shade one more square so the order of rotational symmetry is 2.



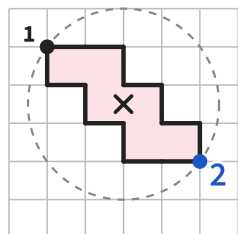
	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry **2**

9



Find the order of rotational symmetry.



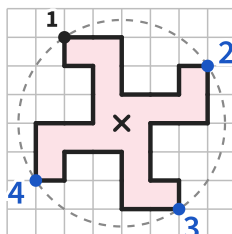
	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry 2

10



Find the order of rotational symmetry.



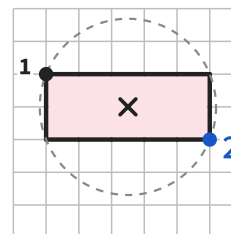
	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry 4

11



This is a rectangle. Find its order of rotational symmetry.



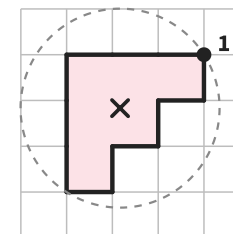
	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry 2

12



This is a floor tile. Find its order of rotational symmetry.



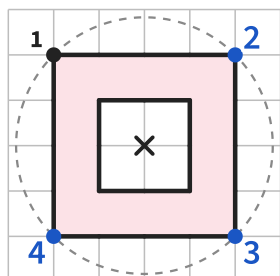
	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn	$\frac{3}{4}$ turn	full turn
fits?	☒	☒	☒	☒

Order of rotational symmetry 1

13



This is a window frame. Find its order of rotational symmetry.

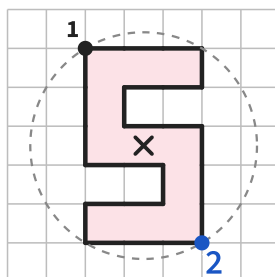


Order of rotational symmetry 4

14



This is the letter S. Find its order of rotational symmetry.

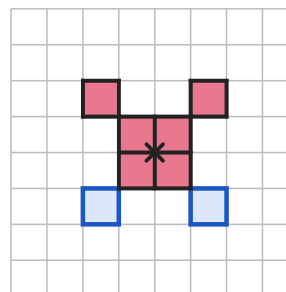


Order of rotational symmetry 2

15



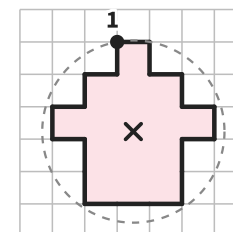
Shade two more squares so the order of rotational symmetry is 4.



16



Sam says this shape has order 0. It does not fit after a $\frac{1}{4}$, $\frac{1}{2}$ or $\frac{3}{4}$ turn. Why is Sam wrong?



It fits after a full turn.

The order is 4