
Subject: Mathematics

Level: Standard Three

Strand: Geometry

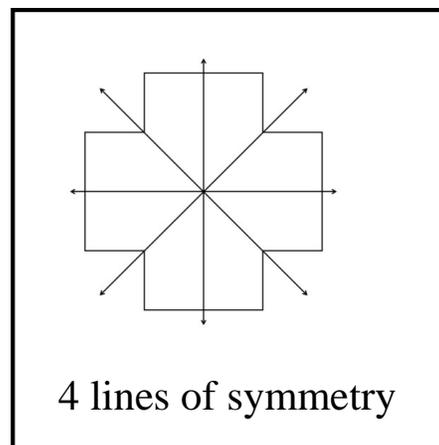
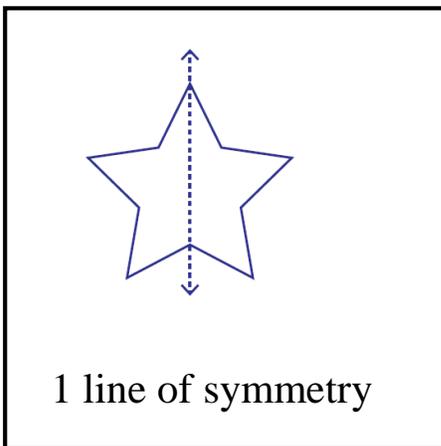
Topic: Symmetry

At the end of this worksheet, you will be able to:

- Determine the number of lines of symmetry in plane shapes (regular, irregular and curved).

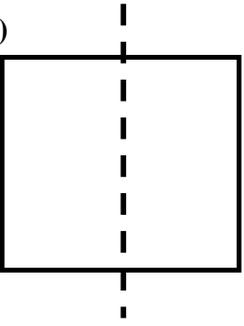
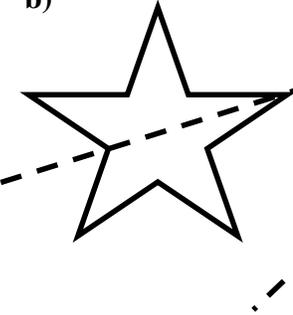
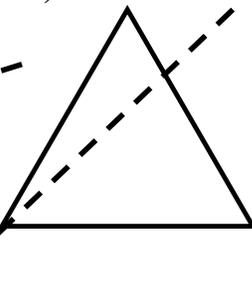
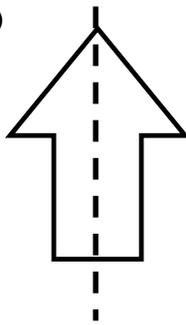
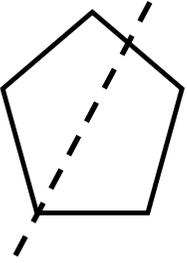
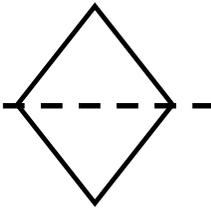
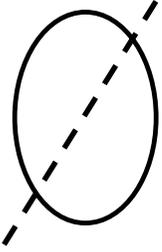
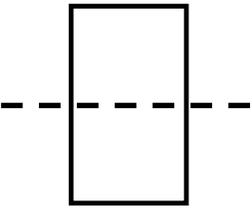
Key Points:

- Lines of symmetry are axes or imaginary lines that pass through the centre of a shape or object dividing it into identical parts.
- Lines of symmetry can be vertical, horizontal or slanted.
- The line of symmetry is also called the Mirror line.



ACTIVITY 1

Instructions: Look carefully at the shapes below and say whether the dotted lines are lines of symmetry by inserting Yes or No under each figure.

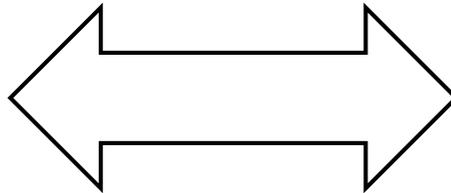
<p>a)</p>  <p>_____</p>	<p>b)</p>  <p>_____</p>	<p>c)</p>  <p>_____</p>	<p>d)</p>  <p>_____</p>
<p>e)</p>  <p>_____</p>	<p>f)</p>  <p>_____</p>	<p>g)</p>  <p>_____</p>	<p>h)</p>  <p>_____</p>

ACTIVITY 2

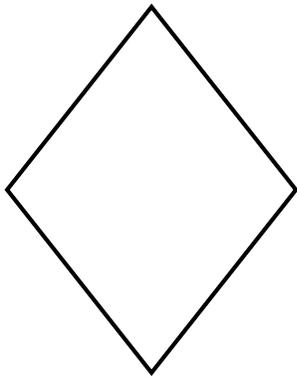
Instructions: Put in the lines of symmetry in each shape below then write the number of lines of symmetry in the space provided.



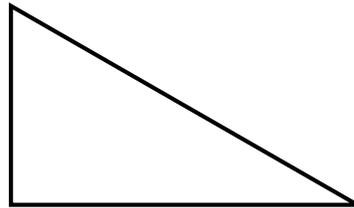
_____ line/s of symmetry



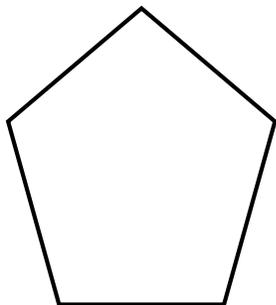
_____ line/s of symmetry



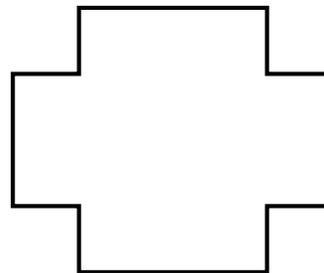
_____ line/s of symmetry



_____ line/s of symmetry



_____ line/s of symmetry



_____ line/s of symmetry

ANSWER KEY

ACTIVITY 1

a) Yes

b) Yes

c) No

d) Yes

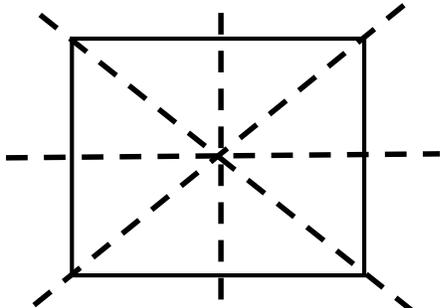
e) No

f) Yes

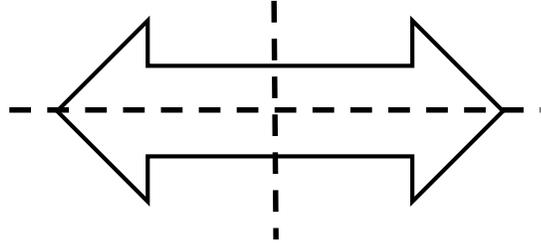
g) No

h) Yes

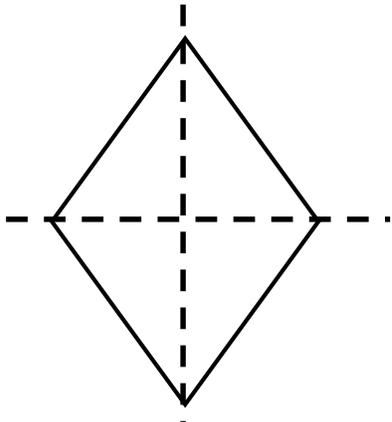
ACTIVITY 2



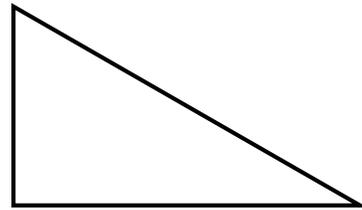
4 lines of symmetry



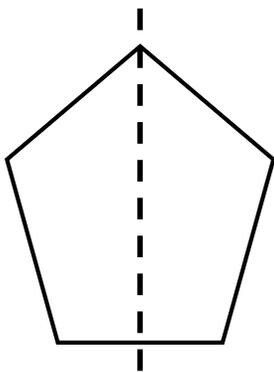
2 lines of symmetry



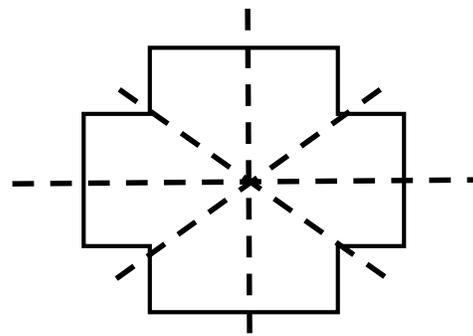
2 lines of symmetry



0 lines of symmetry



1 lines of symmetry



4 lines of symmetry