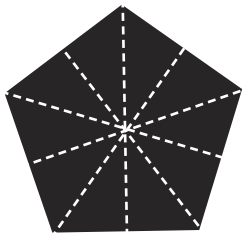
Properties of Regular and Irregular 2D Shapes **Answers**

Name: **irregular hexagon**

Sides: **6**

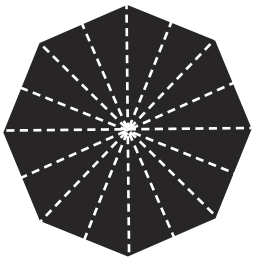
Lines of symmetry: 1



Name: **regular pentagon**

Sides: **5**

Lines of symmetry: **5**



Name: **regular octagon**

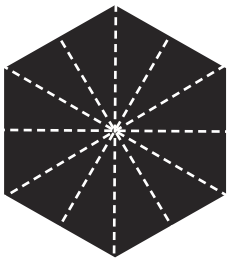
Sides: **8**

Lines of symmetry: **8**

Name: **irregular pentagon**

Sides: **5**

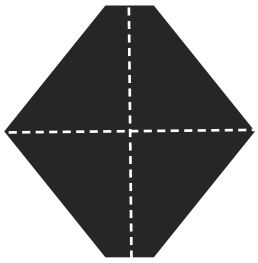
Lines of symmetry: **1**



Name: **regular hexagon**

Sides: **6**

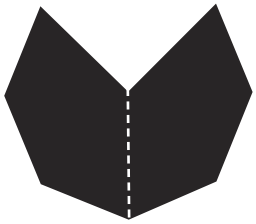
Lines of symmetry: **6**



Name: **irregular hexagon**

Sides: **6**

Lines of symmetry: **2**



Name: **irregular octagon**

Sides: **8**

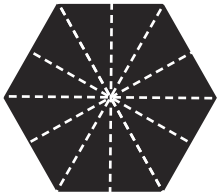
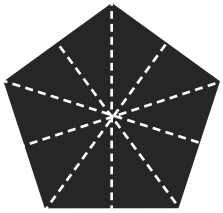
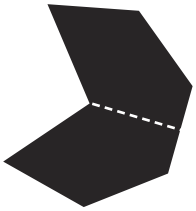
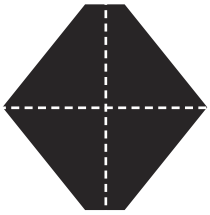
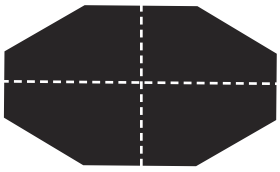
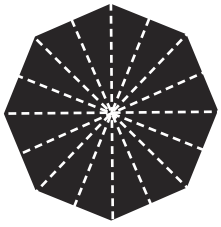
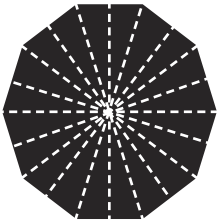
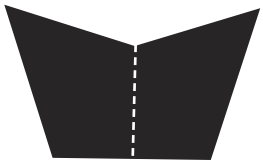
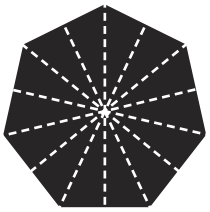
Lines of symmetry: **1**

A 2D shape with all straight sides that are the same **length** and **angles** that are all equal in size is called a **regular** polygon.

An important 2D shape symmetry rule to remember is this:

The number of sides on a regular 2D shape is the same as the number of lines of **symmetry** it has.

Properties of Regular and Irregular 2D Shapes **Answers**

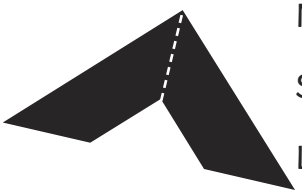
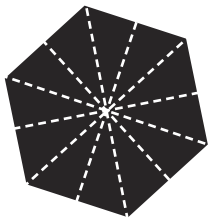
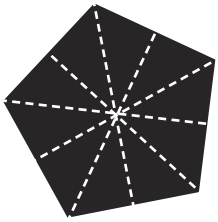
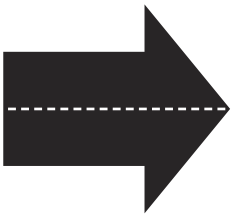
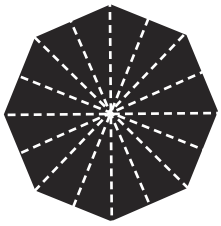
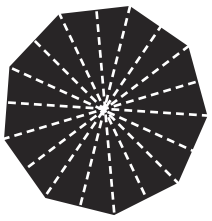
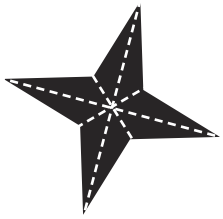
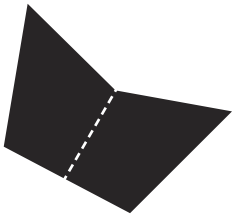
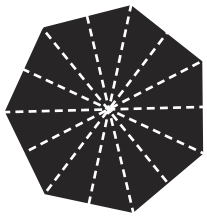
 Name: **irregular hexagon** Sides: **6** Lines of symmetry: **1**	 Name: **regular hexagon** Sides: **6** Lines of symmetry: **6**
 Name: **regular pentagon** Sides: **5** Lines of symmetry: **5**	 Name: **irregular heptagon** Sides: **7** Lines of symmetry: **1**
 Name: **irregular hexagon** Sides: **6** Lines of symmetry: **2**	 Name: **irregular octagon** Sides: **8** Lines of symmetry: **2**
 Name: **regular octagon** Sides: **8** Lines of symmetry: **8**	 Name: **regular decagon** Sides: **10** Lines of symmetry: **10**
 Name: **irregular pentagon** Sides: **5** Lines of symmetry: **1**	 Name: **regular heptagon** Sides: **7** Lines of symmetry: **7**

A 2D shape with all **straight** sides that are the same **length** and **angles** that are all equal in size is called a regular **polygon**.

An important 2D shape symmetry rule to remember is this:

The number of sides on a **regular** 2D shape is the same as the number of **lines** of **symmetry** it has.

Properties of Regular and Irregular 2D Shapes **Answers**

 Name: **irregular hexagon** Sides: **6** Lines of symmetry: **1**	 Name: **regular hexagon** Sides: **6** Lines of symmetry: **6**
 Name: **regular pentagon** Sides: **5** Lines of symmetry: **5**	 Name: **irregular heptagon** Sides: **7** Lines of symmetry: **1**
 Name: **regular octagon** Sides: **8** Lines of symmetry: **8**	 Name: **regular nonagon** Sides: **9** Lines of symmetry: **9**
 Name: **irregular nonagon** Sides: **9** Lines of symmetry: **1**	 Name: **irregular octagon** Sides: **8** Lines of symmetry: **4**
 Name: **irregular pentagon** Sides: **5** Lines of symmetry: **1**	 Name: **regular heptagon** Sides: **7** Lines of symmetry: **7**

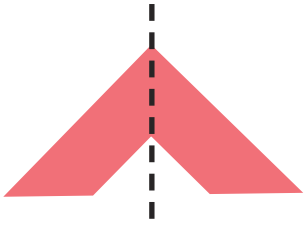
A 2D shape with all straight sides that are the same **length** and **angles** that are all **equal** in size is called a regular **polygon**.

An important symmetry rule to remember is this:

The number of **sides** on a **regular** 2D shape is the same as the number of **lines** of **symmetry** it has.

Properties of Regular and Irregular 2D Shapes

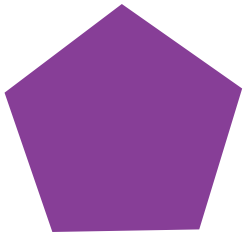
Using 'regular' or 'irregular' each time, name these shapes and identify how many sides they have. Draw the lines of symmetry on each shape and identify how many there are. The first one has been done for you.



Name: **irregular hexagon**

Sides: **6**

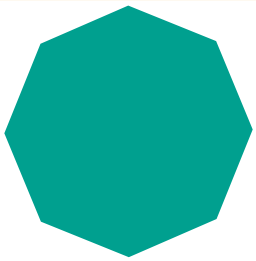
Lines of symmetry: **1**



Name:

Sides:

Lines of symmetry:



Name:

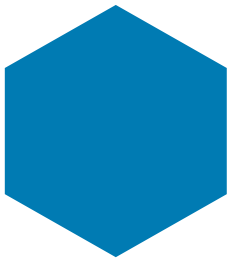
Sides:

Lines of symmetry:

Name:

Sides:

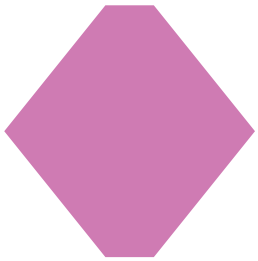
Lines of symmetry:



Name:

Sides:

Lines of symmetry:



Name:

Sides:

Lines of symmetry:

Name:

Sides:

Lines of symmetry:

Using the word bank below, complete these sentences:

A 2D shape with all straight sides that are the same _____ and _____ that are all equal in size is called a _____ polygon.

An important 2D shape symmetry rule to remember is this:

The number of sides on a regular 2D shape is the same as the number of lines of _____ it has.

regular	symmetry	length	angles

Properties of Regular and Irregular 2D Shapes

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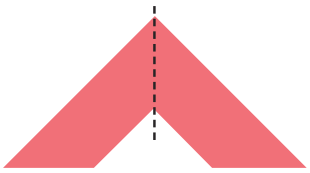
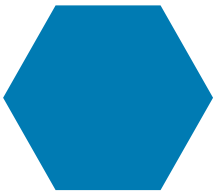
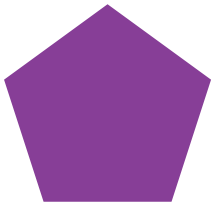
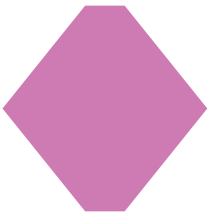
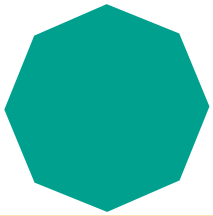
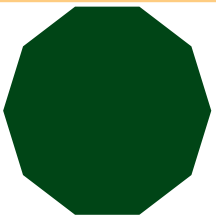
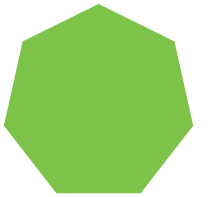
 Name: **irregular hexagon** Sides: **6** Lines of symmetry: **1**	 Name: Sides: Lines of symmetry:
 Name: Sides: Lines of symmetry:	 Name: Sides: Lines of symmetry:
 Name: Sides: Lines of symmetry:	 Name: Sides: Lines of symmetry:
 Name: Sides: Lines of symmetry:	 Name: Sides: Lines of symmetry:
 Name: Sides: Lines of symmetry:	 Name: Sides: Lines of symmetry:

Using the word bank below, complete these sentences:

A 2D shape with all _____ sides that are the same _____ and _____ that are all equal in size is called a regular_____ .

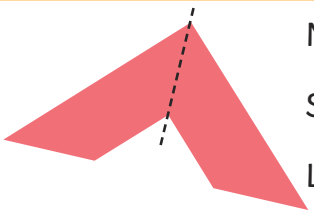
An important 2D shape symmetry rule to remember is this:

The number of sides on a _____ 2D shape is the same as the number of _____ of _____ it has.

straight regular lines symmetry polygon length angles

Properties of Regular and Irregular 2D Shapes

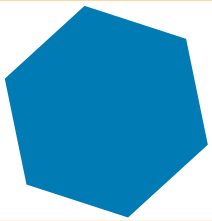
Using 'regular' or 'irregular' each time, name these shapes and identify how many sides they have. Draw the lines of symmetry on each shape and identify how many there are. The first one has been done for you.



Name: **irregular hexagon**

Sides: **6**

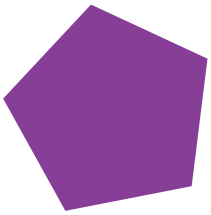
Lines of symmetry: **1**



Name:

Sides:

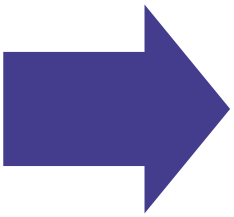
Lines of symmetry:



Name:

Sides:

Lines of symmetry:



Name:

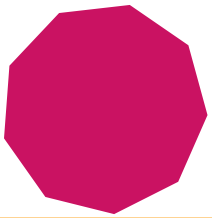
Sides:

Lines of symmetry:

Name:

Sides:

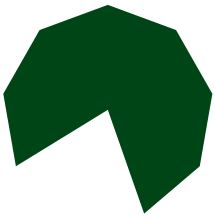
Lines of symmetry:



Name:

Sides:

Lines of symmetry:



Name:

Sides:

Lines of symmetry:

Name:

Sides:

Lines of symmetry:

Name:

Sides:

Lines of symmetry:

Using the word bank below, complete these sentences:

A 2D shape with all straight sides that are the same _____ and _____ that are all _____ in size is called a regular_____ .

An important symmetry rule to remember is this:
The number of _____ on a _____ 2D shape is the same as the number of _____ of _____ it has.

sides	regular	lines	symmetry	polygon	length	angles	equal