

Name the shape — Common shapes

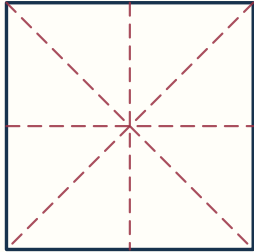
Name: _____

Date: _____



Circle the name of each shape.

1



rectangle

square

triangle

2

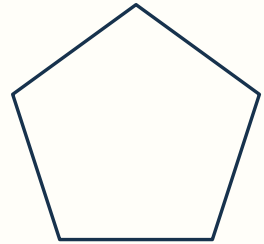


hexagon

pentagon

rectangle

3

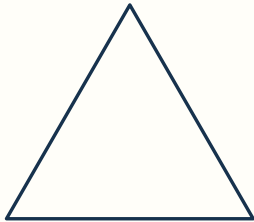


octagon

pentagon

square

4

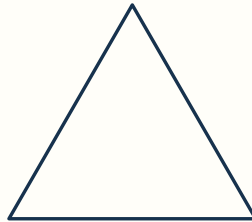


hexagon

rectangle

triangle

5

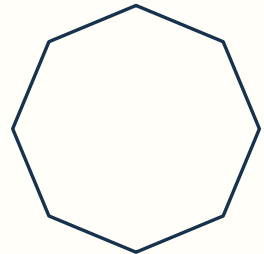


hexagon

square

triangle

6

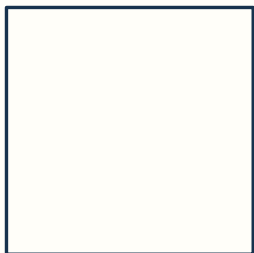


hexagon

octagon

square

7

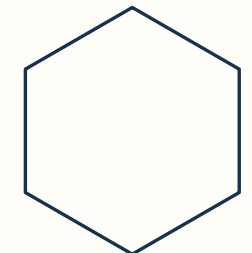


pentagon

rectangle

square

8



hexagon

pentagon

square



Name the shape — Four-sided shapes

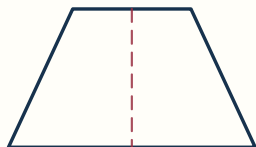
Name: _____

Date: _____



Circle the name of each four-sided shape.

1

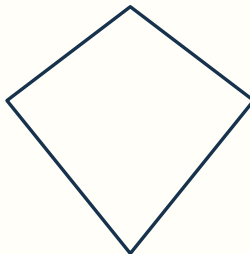


rhombus

square

trapezoid

2

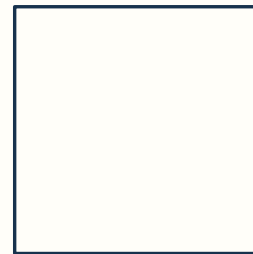


kite

rectangle

trapezoid

3

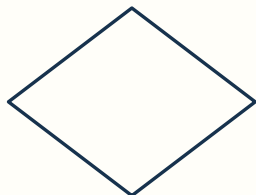


kite

parallelogram

square

4



kite

rhombus

square

5



parallelogram

square

trapezoid

6

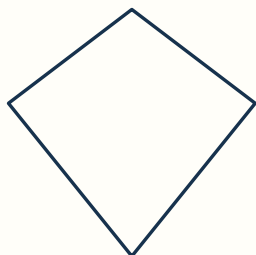


parallelogram

rectangle

rhombus

7

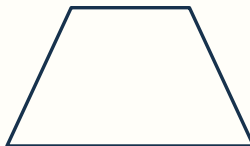


kite

parallelogram

square

8



kite

rhombus

trapezoid



Lines of symmetry — Every shape

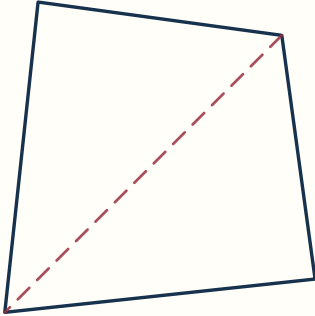
Name: _____

Date: _____



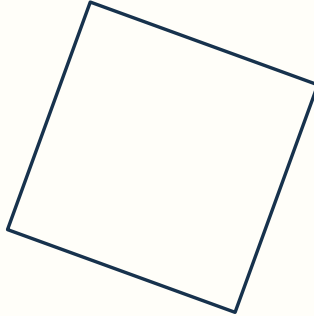
Write how many lines of symmetry each shape has.

1



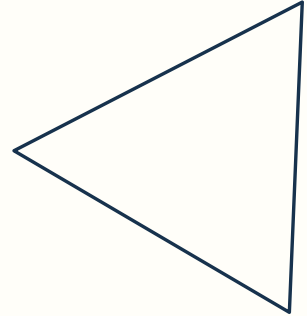
1 lines

2



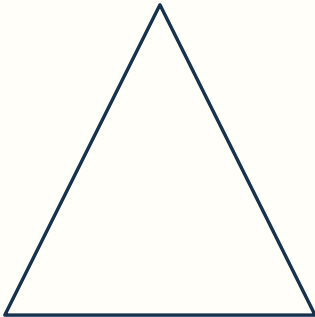
___ lines

3



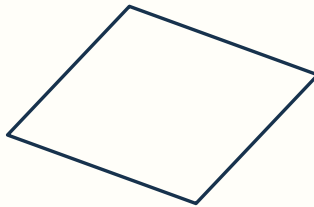
___ lines

4



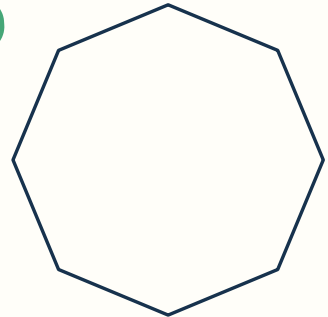
___ lines

5



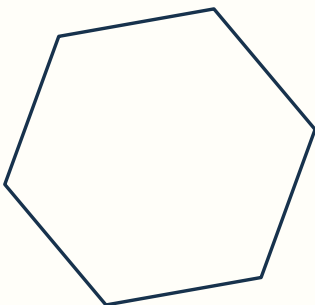
___ lines

6



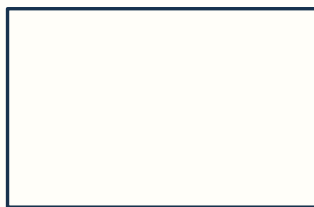
___ lines

7



___ lines

8



___ lines



Polygon angles — Inside a polygon

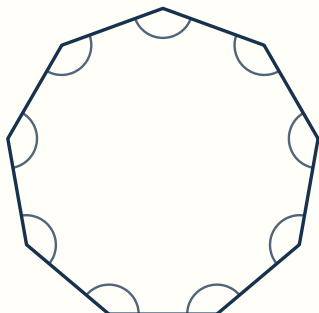
Name: _____

Date: _____



Work out the angle each shape is asking for. Give every answer in degrees.

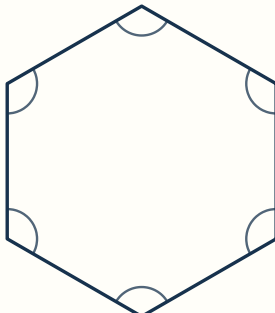
1



All the angles together

1260 degrees

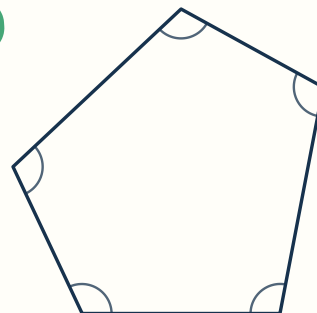
2



All the angles together

_____ degrees

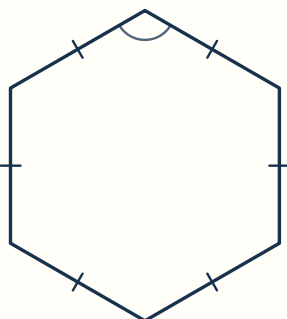
3



All the angles together

_____ degrees

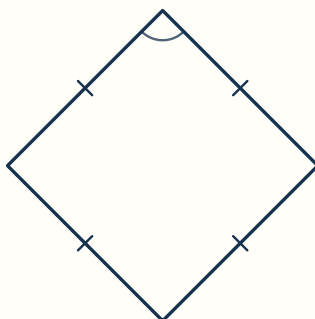
4



Each of its angles

_____ degrees

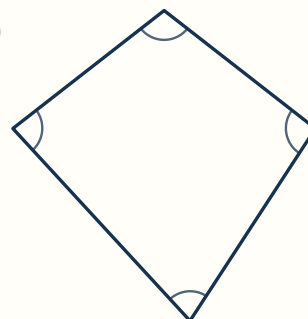
5



Each of its angles

_____ degrees

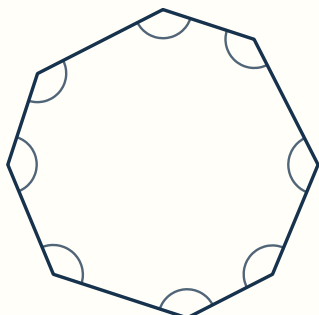
6



All the angles together

_____ degrees

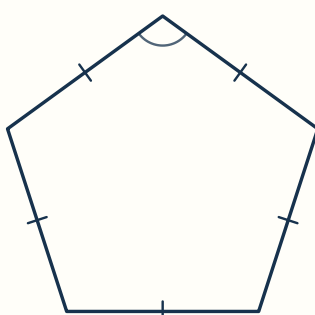
7



All the angles together

_____ degrees

8



Each of its angles

_____ degrees



Power Pack · Shapes and symmetry — Answer key



Naming shapes

- | | | | |
|--|--|--|---|
| 1. square — from rectangle, square, triangle | 2. rectangle — from hexagon, pentagon, rectangle | 3. pentagon — from octagon, pentagon, square | 4. triangle — from hexagon, rectangle, triangle |
| 5. triangle — from hexagon, square, triangle | 6. octagon — from hexagon, octagon, square | 7. square — from pentagon, rectangle, square | 8. hexagon — from hexagon, pentagon, square |

Naming quadrilaterals

- | | | | |
|--|---|--|--|
| 1. trapezoid — from rhombus, square, trapezoid | 2. kite — from kite, rectangle, trapezoid | 3. square — from kite, parallelogram, square | 4. rhombus — from kite, rhombus, square |
| 5. parallelogram — from parallelogram, square, trapezoid | 6. rectangle — from parallelogram, rectangle, rhombus | 7. kite — from kite, parallelogram, square | 8. trapezoid — from kite, rhombus, trapezoid |

Symmetry

- | | | | |
|--|--|---|--------------------------|
| 1. kite turned 45° : 1 | 2. square turned 20° : 4 | 3. scalene triangle turned 45° : 0 | 4. isosceles triangle: 1 |
| 5. parallelogram turned 20° : 0 | 6. regular octagon turned 45° : 8 | 7. regular hexagon turned 20° : 6 | 8. rectangle: 2 |

Polygon angles

- | | | | |
|--|---|--|---|
| 1. 9-sided, all the angles: 1260° | 2. 6-sided, all the angles: 720° | 3. 5-sided, all the angles: 540° | 4. regular 6-sided, each angle: 120° |
| 5. regular 4-sided, each angle: 90° | 6. 4-sided, all the angles: 360° | 7. 8-sided, all the angles: 1080° | 8. regular 5-sided, each angle: 108° |