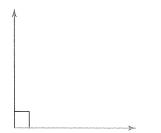
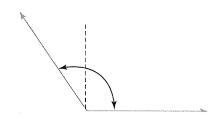
Lesson 1 Angles





Right angle 90° angle

Acute angle less than a right angle

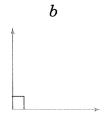
Obtuse angle more than a right angle

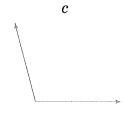
Identify each angle as right, acute, or obtuse.

1.

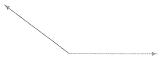


a

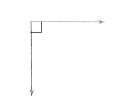




2.



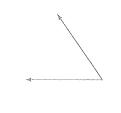


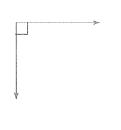


3.









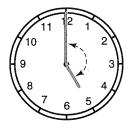


	 	jo-
1		

Lesson 1 Problem Solving

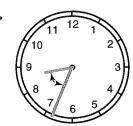
Identify the angle of the clock hands as acute, right, or obtuse. Then answer each question.

1.



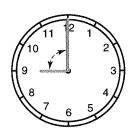
The hands of the clock form a(n) _____ angle.

2.



The hands of the clock form a(n) _____ angle.

3.



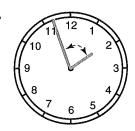
The hands of the clock form a(n) _____ angle.

4.



The hands of the clock form a(n) angle.

5.



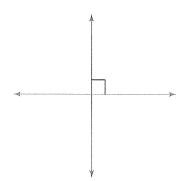
The hands of the clock form a(n) _____ angle.

Lesson 2 Parallel and Perpendicular

Parallel lines never meet. They are | Perpendicular lines intersect, or cross always the same distance apart.

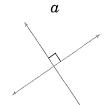
each other, to form right angles.





Identify each pair of lines as parallel, perpendicular, or neither.

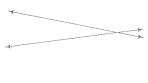
1.



b



c



d



2.

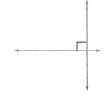




3.

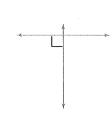










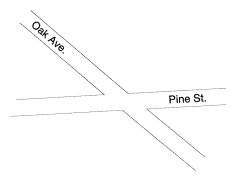




Lesson 2 Problem Solving

Identify the roads as being *parallel*, *perpendicular*, or *neither*. Then answer each question.

1.



Do the roads cross each other?

Do the roads form right angles?

The roads form _____ lines.

2. Wastminster Rd

Westminster Rd.

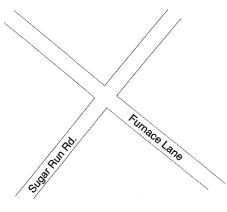
Essex Rd.

Do the roads form right angles?

Do the roads cross each other?

The roads form _____ lines.

3.

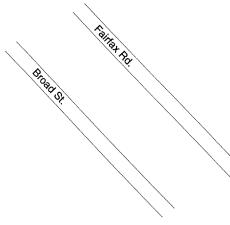


Do the roads cross each other?

Do the roads form right angles?

The roads form _____ lines.

4.



Do the roads form right angles?

Do the roads cross each other?

The roads form _____ lines.

Lesson 3 Plane Figures

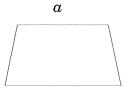
A plane figure, or polygon, is a closed figure with three or more straight sides. Vertices are the points where two sides meet.

Plane figures are named for the number of sides and vertices.

triangle	quadrilateral	pentagon
3 sides 3 vertices	4 sides 4 vertices	5 sides 5 vertices
hexagon	heptagon	octagon
		green a delection of the contract of the contr

Identify each plane figure as a triangle, quadrilateral, pentagon, hexagon, heptagon, or octagon.

1.

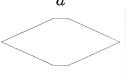


b





d



2.









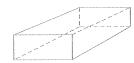
Lesson 4 Solid Figures

Solid figures have three dimensions.

Some solid figures have flat surfaces.



cube



rectangular prism



pyramid

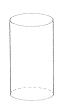
Some solid figures have curved surfaces.



cone



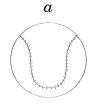
sphere



cylinder

Identify each object as being closest to the shape of a *cube*, *rectangular prism*, *pyramid*, *cone*, *sphere*, or *cylinder*.

1.



b



 \boldsymbol{c}



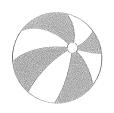
d

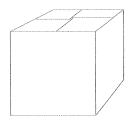


2.









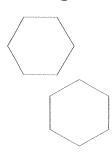




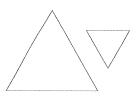
Lesson 5 Congruence

Two figures that have the same size and shape are congruent.

These figures are congruent.

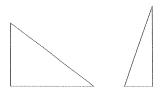


These figures are not congruent.



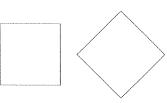
Identify each pair of plane figures as congruent or not congruent.

1.

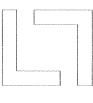


a

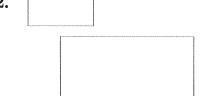
b

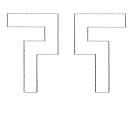


c

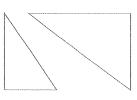


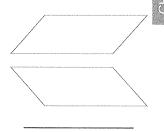
2.



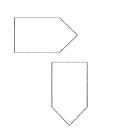


3.





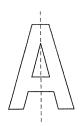




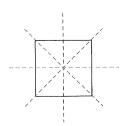
Lesson 6 Symmetry

A plane figure has **symmetry** if it can be folded in one or more ways to make two congruent figures.

This figure has one line of symmetry.



This figure has four lines of symmetry.



This figure has no lines of symmetry.



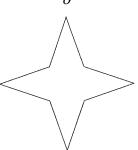
Draw all the possible lines of symmetry for each figure and write the number of lines. If a figure has no line of symmetry, write *none*.

1.

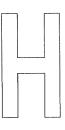


a

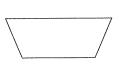
b

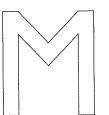


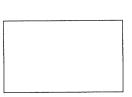
c



2.



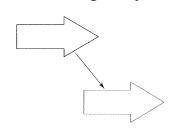




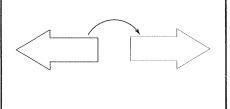
Lesson 7 Slides, Flips, and Turns

You can describe how figures have been moved by the terms slide, flip, and turn.

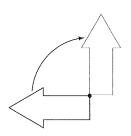
Slide a figure to move it up, down, left, right, or diagonally.



Flip a figure to create a mirror image.

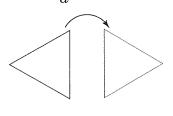


Turn a figure to rotate it around a point.

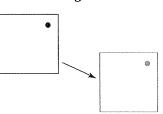


Identify how each figure has been moved by writing slide, flip, or turn.

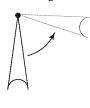
1.



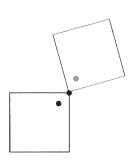
b



c



2.

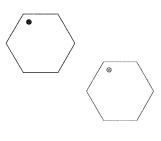


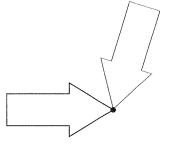
•



•

CHAPTER

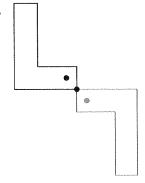




Lesson 7 Problem Solving

What kind of movement is shown by these figures? Answer each question.

1.



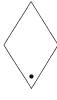
Has the figure moved in one direction?

Has the figure been rotated? _____

Has the figure been turned over? _____

The movement is a _____.

2.



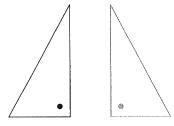
Has the figure moved in one direction?

Has the figure been rotated?

Has the figure been turned over?

The movement is a _____.

3.



Has the figure moved in one direction?

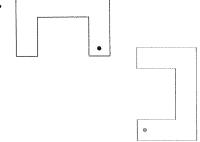
Has the figure been rotated? _____

Has the figure been turned over?

The movement is a _____.

What two kinds of movement are shown by these figures?

4.



Has the figure moved in one direction?

Has the figure been rotated? _____

Has the figure been turned over?

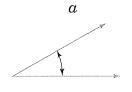
The movements are a _____ and a ____.

CHAPTER 13 PRACTICE TEST

Geometry

Identify each angle as right, acute, or obtuse.

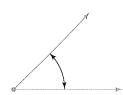
1.



b



 \boldsymbol{c}



d

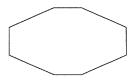


Identify each plane figure as a triangle, quadrilateral, pentagon, hexagon, heptagon, or octagon.

2.



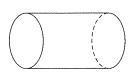




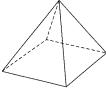
Identify each solid figure as a *cube*, *rectangular prism*, *pyramid*, *cone*, *sphere*, or *cylinder*.

3.





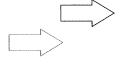




Identify how each figure has been moved by writing slide, flip, or turn.







CHAPTER 14 PRETEST

Metric Measurement

Find the length of each line segment to the nearest centimetre (cm). Then find the length of each line segment to the nearest millimetre (mm).

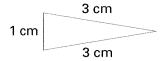
a

b

_____ mm

Find the perimeter of each figure.

4.





____ cm

Complete the following.

$$\alpha$$

6.
$$4 \text{ m} = \underline{\hspace{1cm}} \text{cm}$$

7.
$$8 \text{ m} = \underline{\qquad} \text{ mL}$$

8.
$$6 L = ___ mL$$

$$29 L = \underline{\qquad} mL$$

$$80 \text{ cm} = \underline{\qquad} \text{mm}$$