

There are two lessons included today. They are both about finding angles, the second lesson focuses on right angles.

Lesson 3

Finding Angles in Shapes

In Focus

A stop sign is a shape.
How many angles does this shape have?



Let's Learn

- 1 Find all the angles inside the shape. How many angles can you find?



Here is one angle.



Here is another angle.

- 2 Find the number of sides and angles in Figure A.

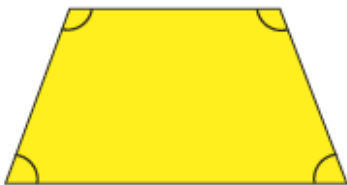


Figure A

Figure A has sides.

Figure A has angles.



How many angles does a triangle have?

- 3 Describe this shape.



How many sides are there?

How many angles are there?

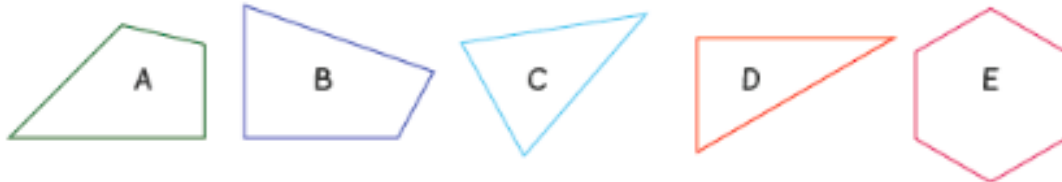


of angles for each shape?

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Guided Practice

How many sides and angles does each shape have?
Mark the angles in each shape.



Complete Worksheet 3 • Page 142 – 144

Angles

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Finding Right Angles

Lesson 4

In Focus

Let's make a "right-angle tester" and use it to find right angles.

Fold a piece of paper in two.

Then fold it in two again to make a right angle.



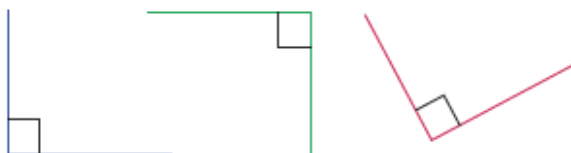
You have made a right-angle tester.



Look around the room and the school for places with right angles.

Let's Learn

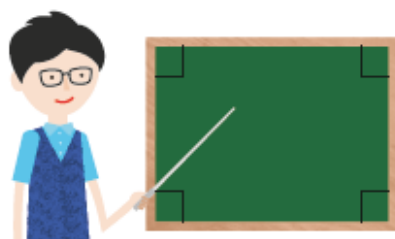
- 1 When 2 lines meet at a point, they make an angle. These lines make right angles.



We mark right angles like this.



- 2 There is a right angle at each corner of the board.



The corner of my ruler is a right angle. What other right angles can you find?



As there are two lessons today the activity time is optional.

Activity Time

Work in groups of 4.

What you need:



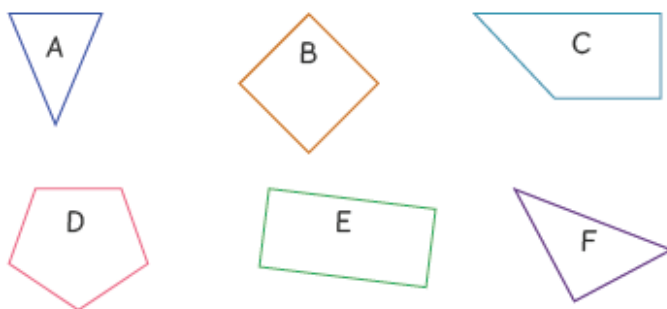
- ① Look around the school for places with right angles.
- ② Check if the angle is a right angle by using the "right-angle tester".
- ③ Record by drawing a picture.

Guided Practice

- 1 Which pairs of lines meet to make a right angle?



- 2 Which shapes have at least one right angle?

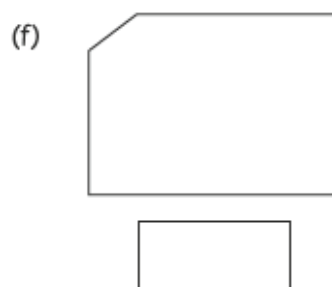
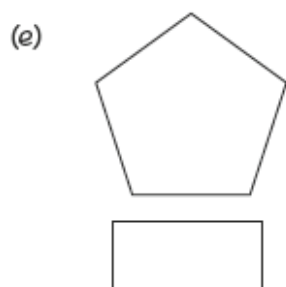
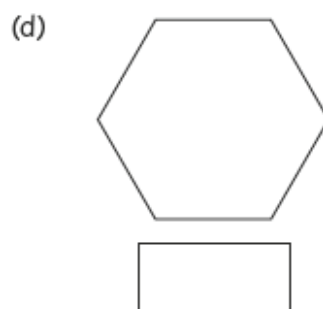
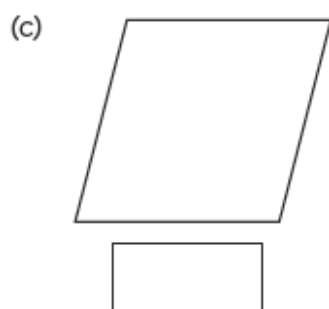
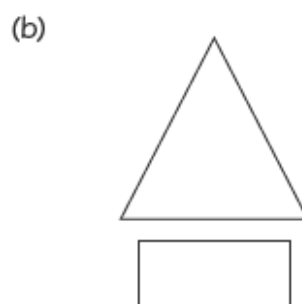
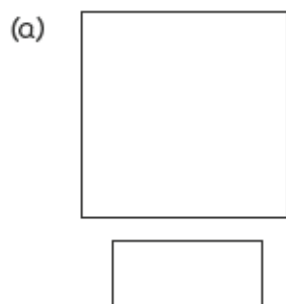


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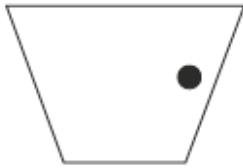
Worksheet 3

Finding Angles in Shapes

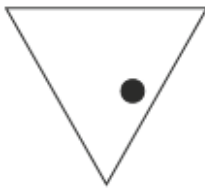
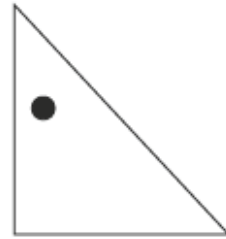
- 1** Mark all the angles that can be found in the shapes below and state the number of angles in each shape.



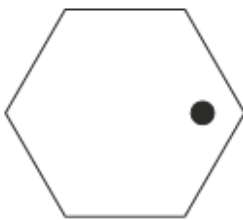
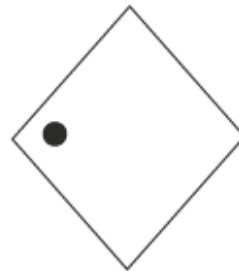
2 Match.



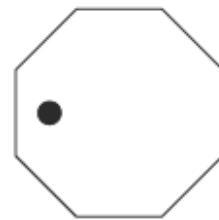
3 angles



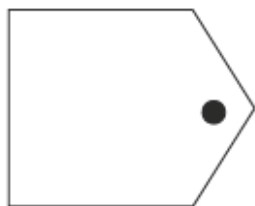
4 angles



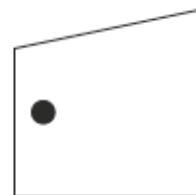
5 angles



6 angles



More than 6 angles

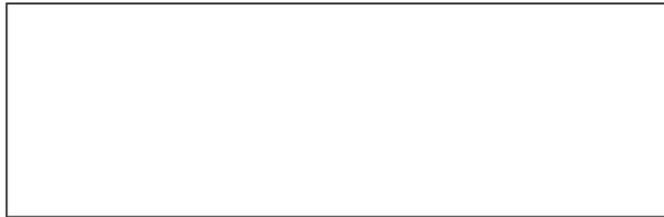


3 Draw.

- (a) A shape with 3 angles.



- (b) A shape with 4 angles.



- (c) A shape with 5 angles.



- (d) A shape with 8 angles.



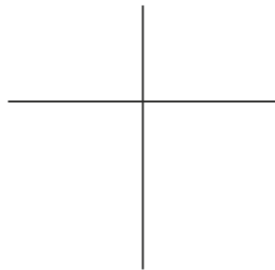
Name: _____ Class: _____ Date: _____

Worksheet 4

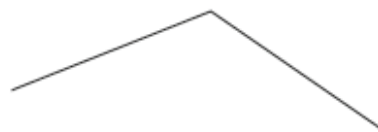
Finding Right Angles

- 1 Each figure below is made up of two lines.
Circle the figures that make at least one right angle.

(a)



(b)



(c)



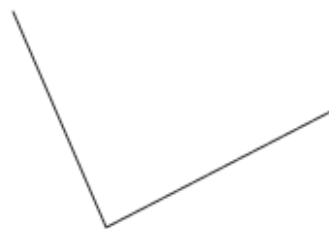
(d)



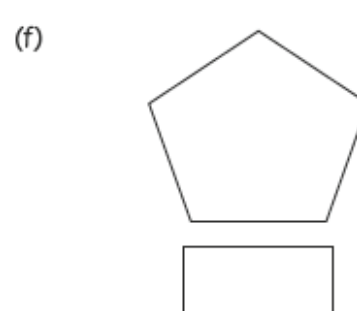
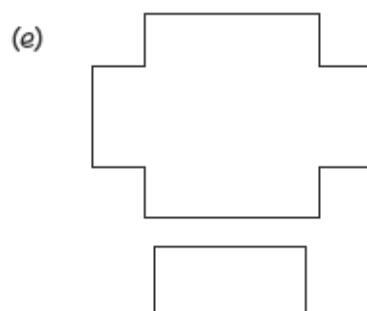
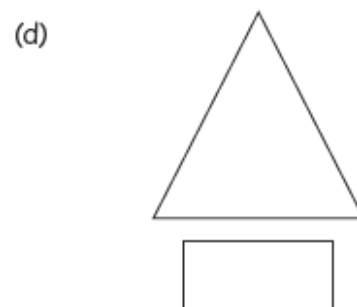
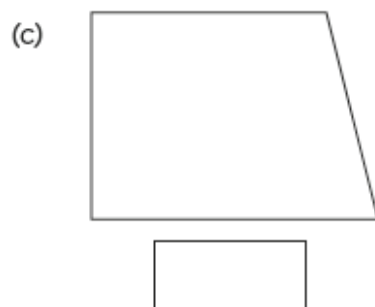
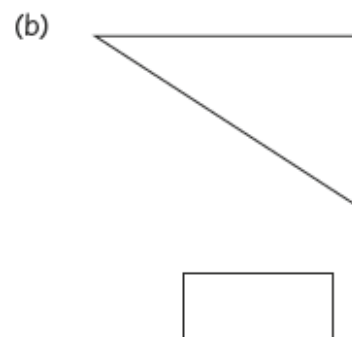
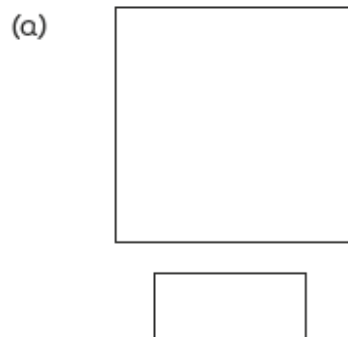
(e)




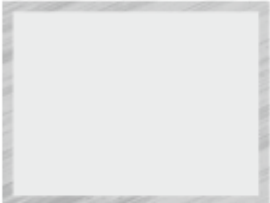



(f)



- 2** Mark all the right angles in the shapes below and then write down how many you found.



- 3 State whether or not there are any right angles in the following objects.

Object	Are there any right angles? (Yes / No)
	
	
	
	
	

4 How many right angles can you find in the following letters?

(a)



(b)



(c)



(d)



(e)



(f)



(g)



(h)

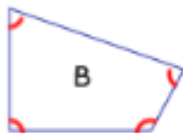


Guided Practice

How many sides and angles does each shape have?
Mark the angles in each shape.



4 angles,
4 sides



4 angles,
4 sides



3 angles,
3 sides



3 angles,
3 sides



6 angles,
6 sides

Complete Worksheet 3 • Page 142 – 144

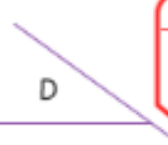
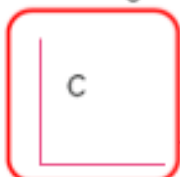
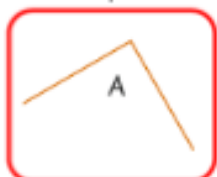
Angles

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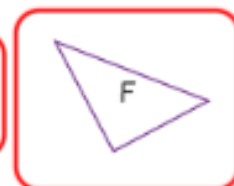
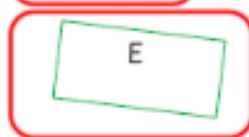
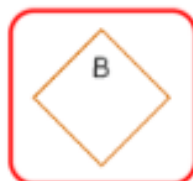
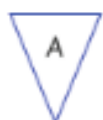
Guided Practice



- 1 Which pairs of lines meet to make a right angle?



- 2 Which shapes have at least one right angle?



Complete Worksheet 4 • Page 145 – 148

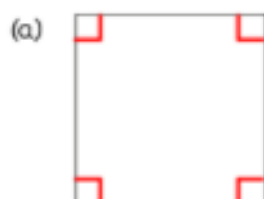
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Worksheet 3

Finding Angles in Shapes

- 1 Mark all the angles that can be found in the shapes below and state the number of angles in each shape.



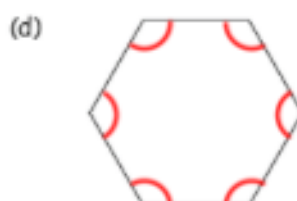
4



3



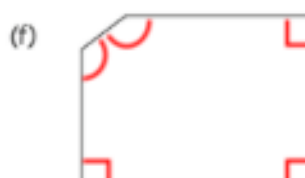
4



6



5

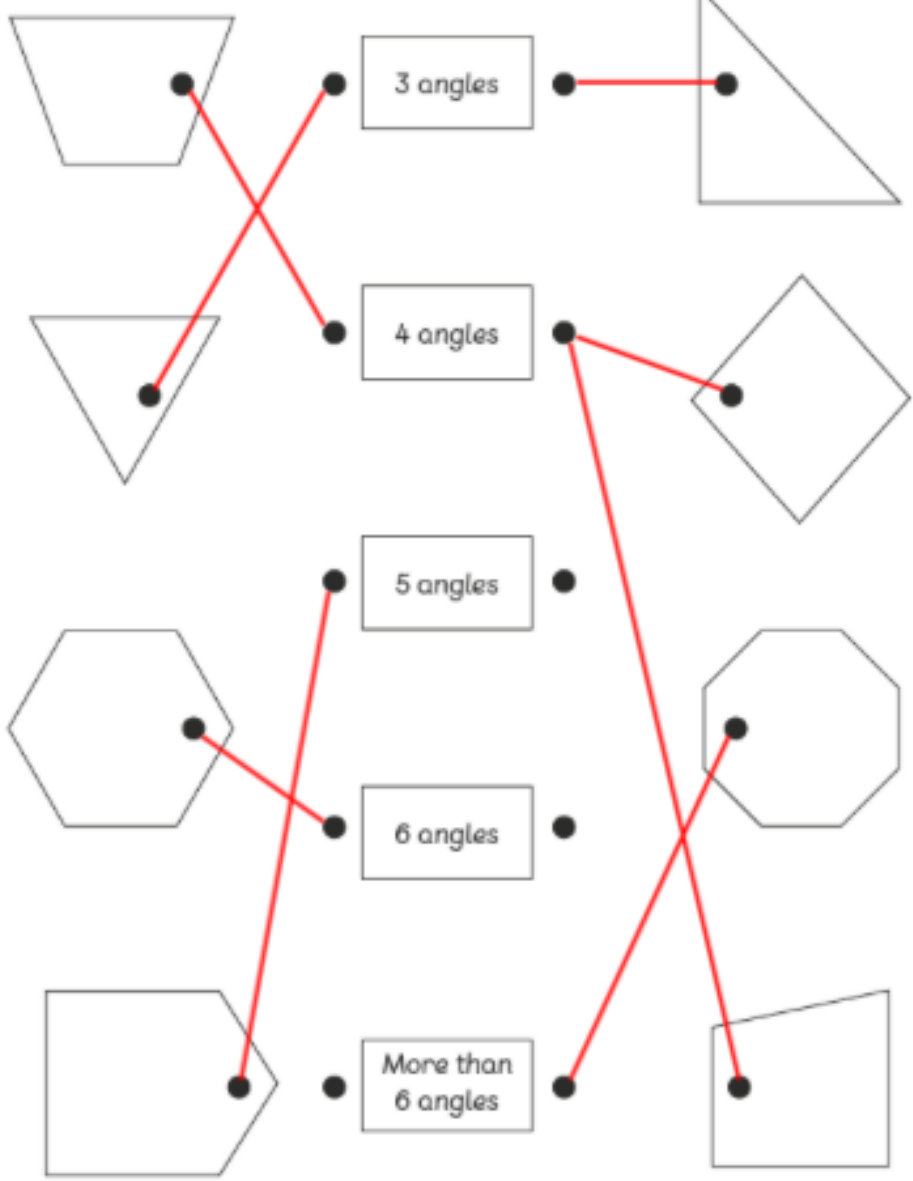


5





2 Match.





3 Draw.

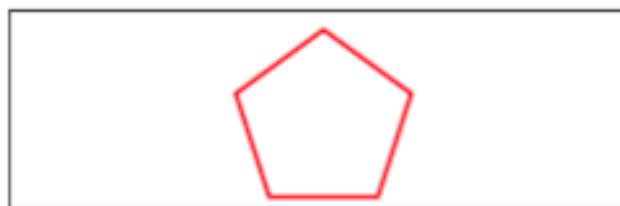
(a) A shape with 3 angles.



(b) A shape with 4 angles.



(c) A shape with 5 angles.



(d) A shape with 8 angles.



Name: _____ Class: _____ Date: _____

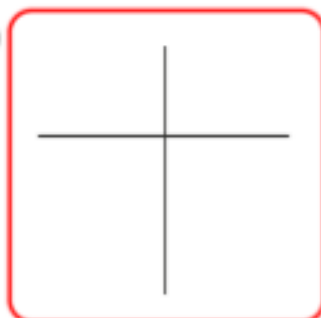


Worksheet 4

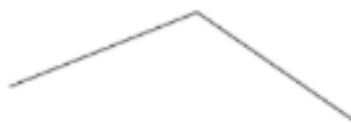
Finding Right Angles

- 1 Each figure below is made up of two lines.
Circle the figures that make at least one right angle.

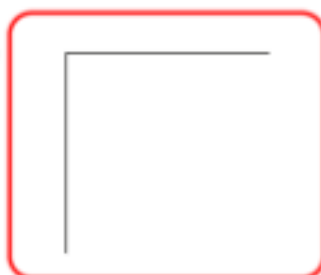
(a)



(b)



(c)



(d)



(e)

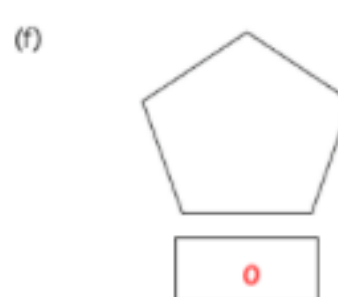
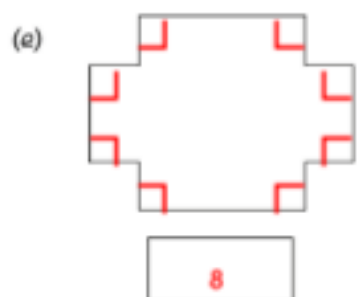
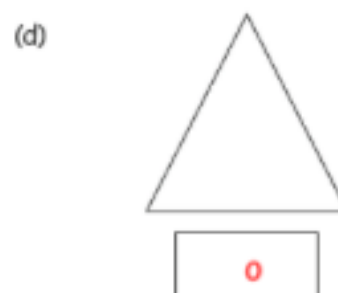
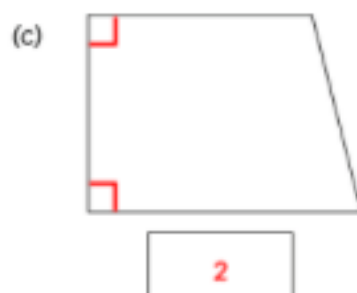
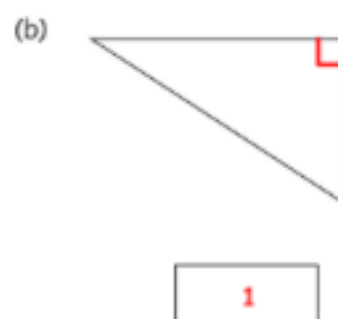
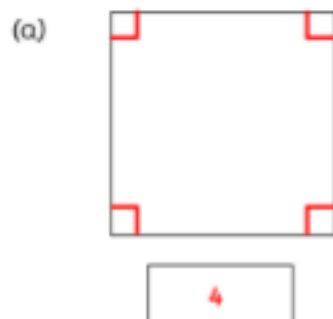


(f)










- 2 Mark all the right angles in the shapes below and then write down how many you found.





3 State whether or not there are any right angles in the following objects

Object	Are there any right angles? (Yes / No)
	No
	Yes
	Yes
	No
	Yes



4 How many right angles can you find in the following letters?

(a)

O

0

(b)

F

3

(c)

A

0

(d)

T

2

(e)

E

4

(f)

W

0

(g)

L

1

(h)

H

4