

# RECALL (1) – 2D SHAPES - SIDES AND CORNERS

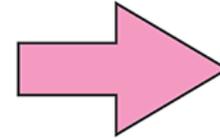
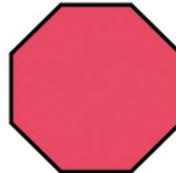
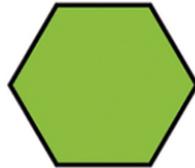
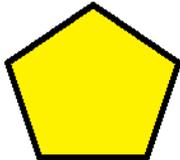
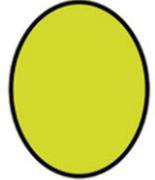
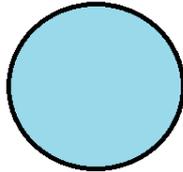
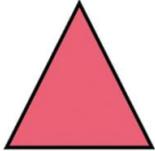
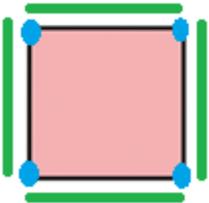
3 BEFORE ME



Use a green crayon to draw lines along the **sides**.

Use a blue crayon to draw a dot on the pointy **corners**.

The square has been done for you.



Name the shape that each card is describing. Can any be more than one?

I have 1 side.  
My side is curved.  
I have no corners.

What am I?

I have 4 straight sides.  
My sides are equal in length.  
I have 4 corners.

What am I?

I have 4 corners and 4 straight sides.  
I have 2 long sides and 2 short sides.  
My opposite sides are equal in length.

What am I?

I have 3 sides and  
3 corners.  
My sides are  
straight.

What am I?

I have 1 more side and 1 more  
corner than a pentagon.  
My sides are straight.

What am I?

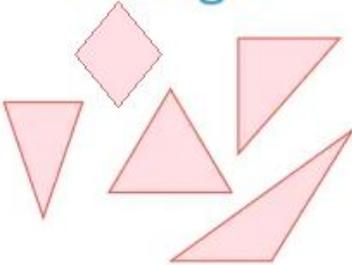
I have 2 sides.  
1 side is straight.  
The other side is curved.  
I have 2 corners.

What am I?

# RECALL (2) – ODD ONE OUT

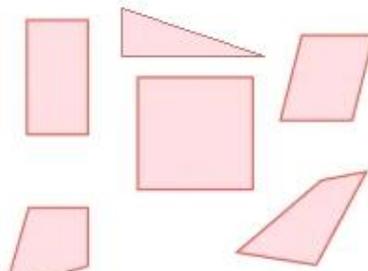
Read each shape description.  
Identify and circle the mistake in each example.

Triangle



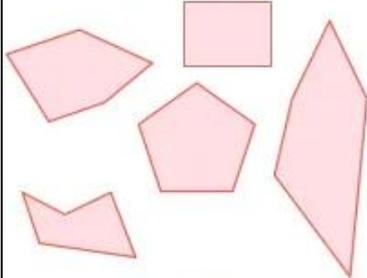
3 sides  
3 corners

Quadrilateral



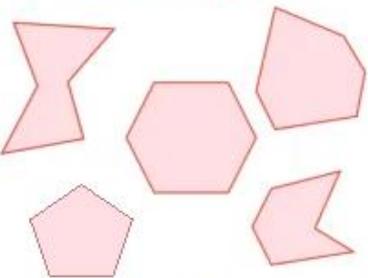
4 sides  
4 corners

Pentagon



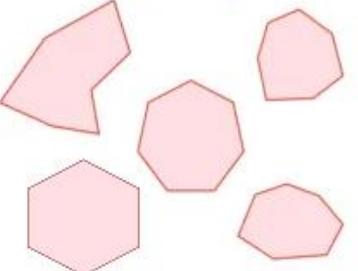
5 sides  
5 corners

Hexagon



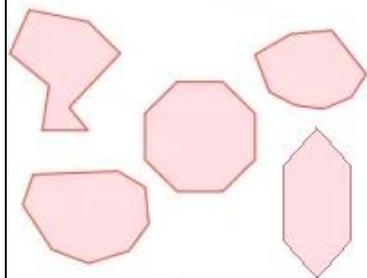
6 sides  
6 corners

Heptagon



7 sides  
7 corners

Octagon



8 sides  
8 corners

Write an explanation.

Why did you circle that shape? 

Why doesn't it belong in that category?

*Triangles always have 3 sides and 3 corners. The circled shape is the odd one out because it has \_\_\_\_\_ sides and \_\_\_\_\_ corners*



# LO: I CAN FIND RIGHT ANGLES IN SHAPES.

Page

## Success Criteria

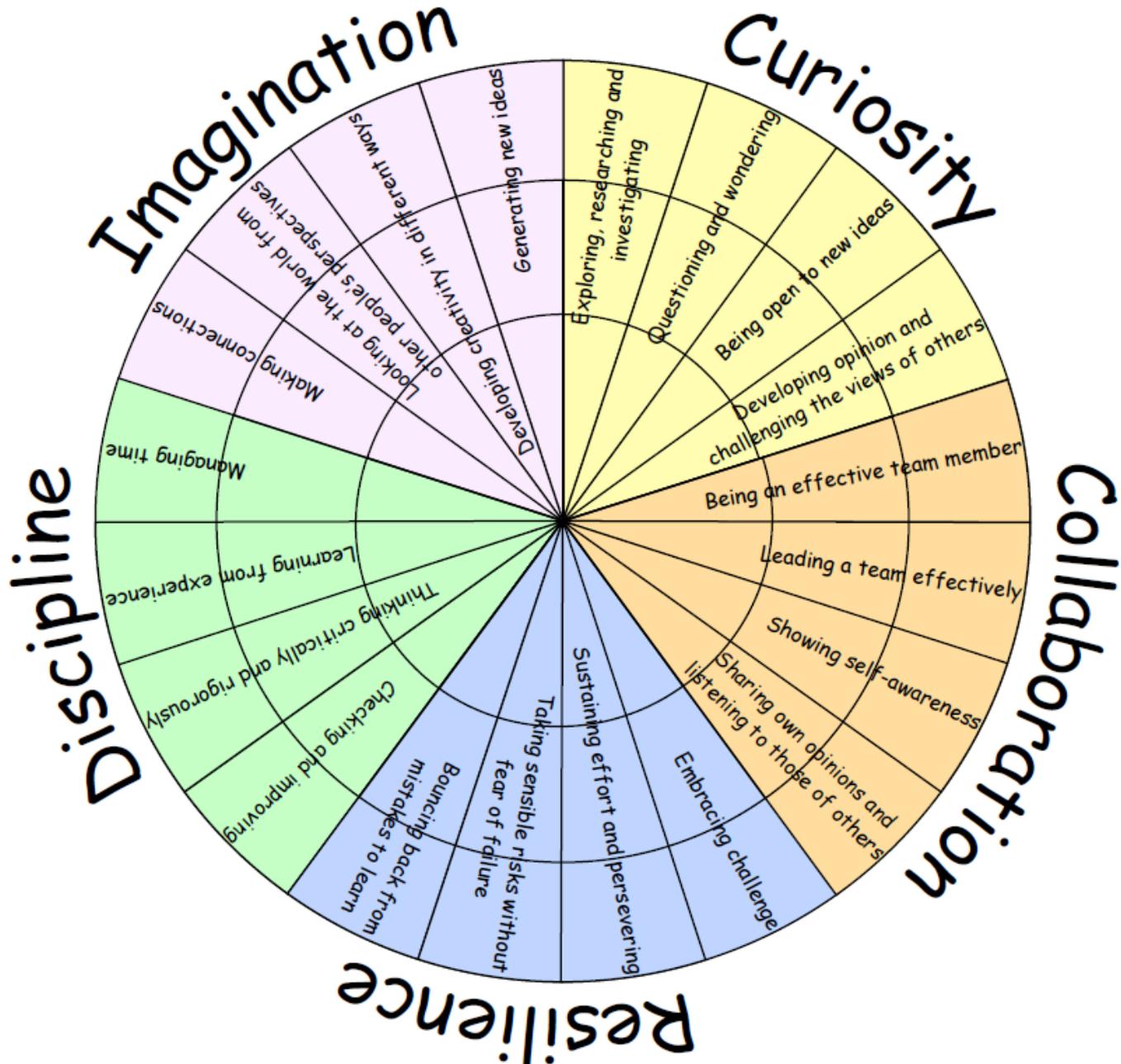
**Some will even** draw their own perpendicular lines for right angles.

**Some will** identify right angles in more complex shapes.

**Most will** identify right angles on 2D shapes.

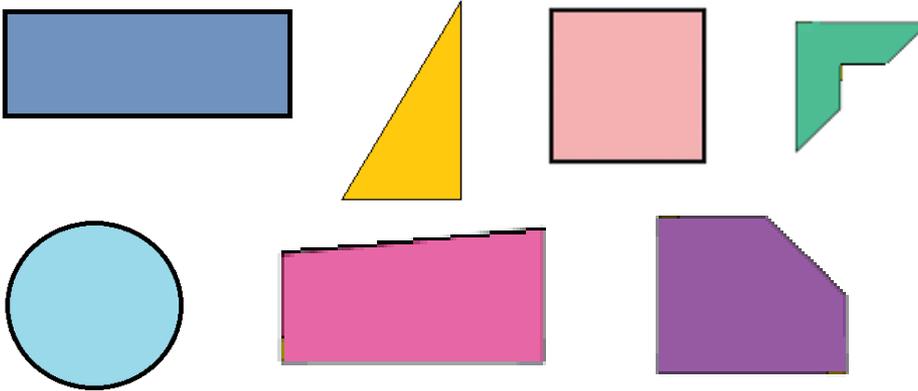
**All will** use a measurer to find right angles in the environment.

# LEARNING HABITS?



# GUIDED PRACTICE

How many of these shapes have at least one right angle?

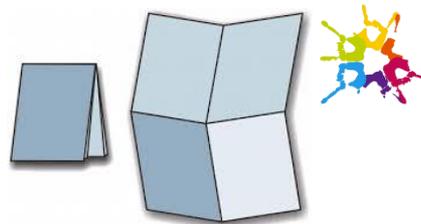


A right angle is shown by a small square in the angle.  
This is what a right angle could look like.  
Two lines that connect a right angle are perpendicular.



You can check a right angle by making a measurer.

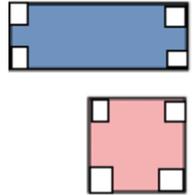
Fold paper like this to create a little square.



6 of the shapes have right angles. 1 doesn't have any.

Two lines that are at right angles are perpendicular to each other.

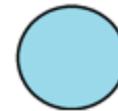
This rectangle has 4 right angles.  
You can fit a perfect square inside the corner angle.  
The square also has 4 right angles.



The triangle has 1 right angle.  
The other two corners do not have enough space to fit a square in the corner.



Different shapes can have different numbers of right angles.  
The circle doesn't have any.



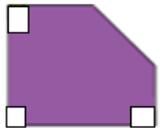
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1



2



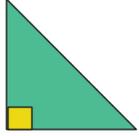
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# INTELLIGENT PRACTICE

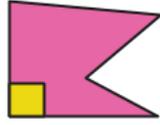
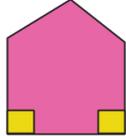
How many right angles are there?



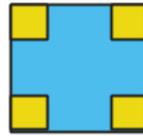
Triangles



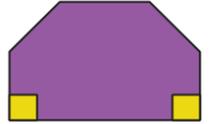
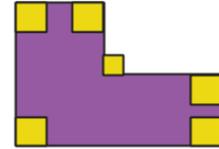
Pentagons



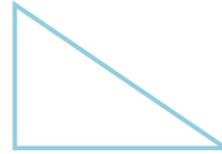
Quadrilaterals



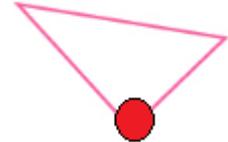
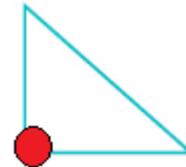
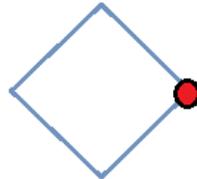
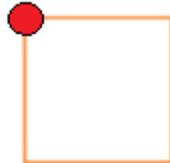
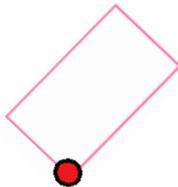
Hexagons



Draw the right angles in these shapes. Be careful, one shape doesn't have any.



On this shape, I have used a red dot to show where one right angle is. Colour in the two lines that are perpendicular to it (connect it).



3 BEFORE ME

Use your right angle measurer.



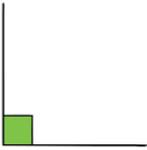
Draw your own 2D shapes with right angles in. Mark where the right angles are.



# DIVE DEEPER 1

1 List four things in the classroom that have right angles.

- 
- 
- 
- 

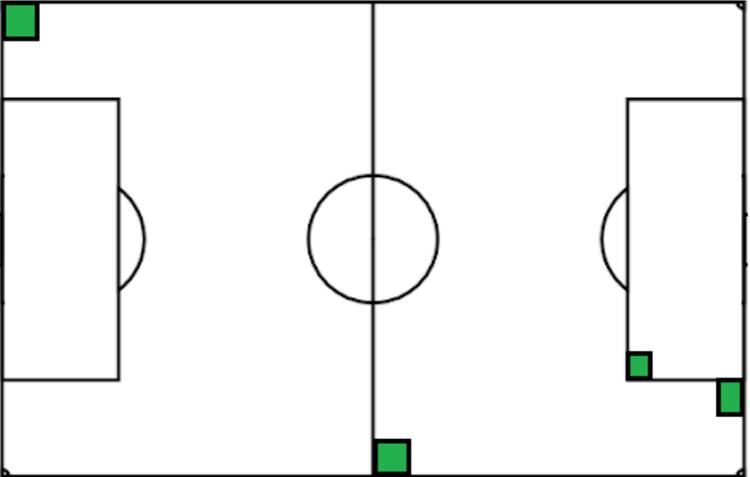


2 What type of line is this describing? Tick one.  
2 straight lines that connect a right angle.

thin       perpendicular       curved

3 How many right angles are on this football pitch? Draw them on. 4 have been done.

*Remember*, we only measure right angles between straight lines, do not use curved lines.

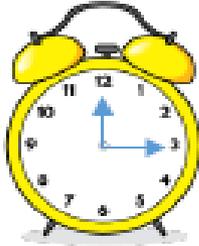


4 This shape has 2 right angles. True or false? Explain your answer.



.....  
.....  
.....

5 Complete the sentences.



The angle between the hands is called a \_\_\_\_\_ angle.

One quarter turn is equal to a \_\_\_\_\_ angle.

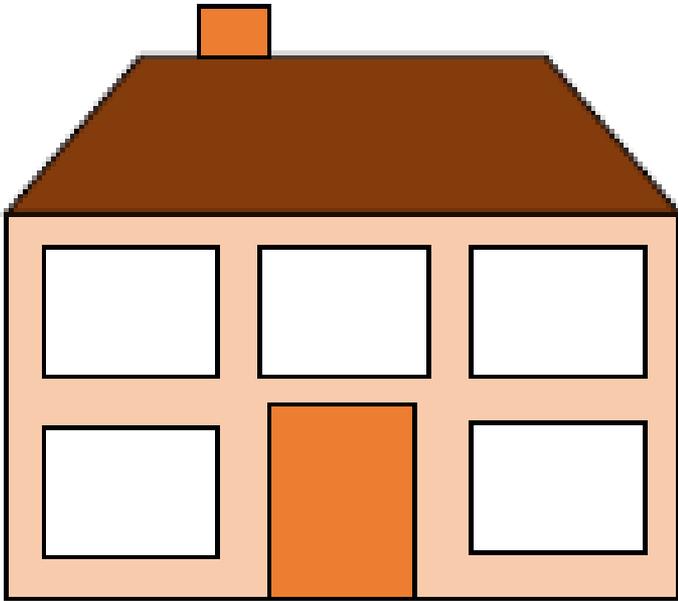
6 How many right angles are inside each letter?

B D E H  
I N P R

# DIVE DEEPER 2

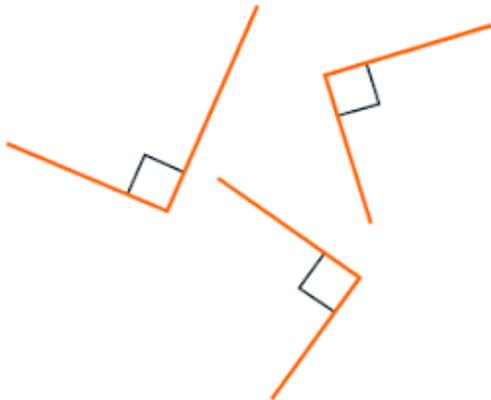
1

There are 34 right angles in this picture.  
Can you find them all?



2

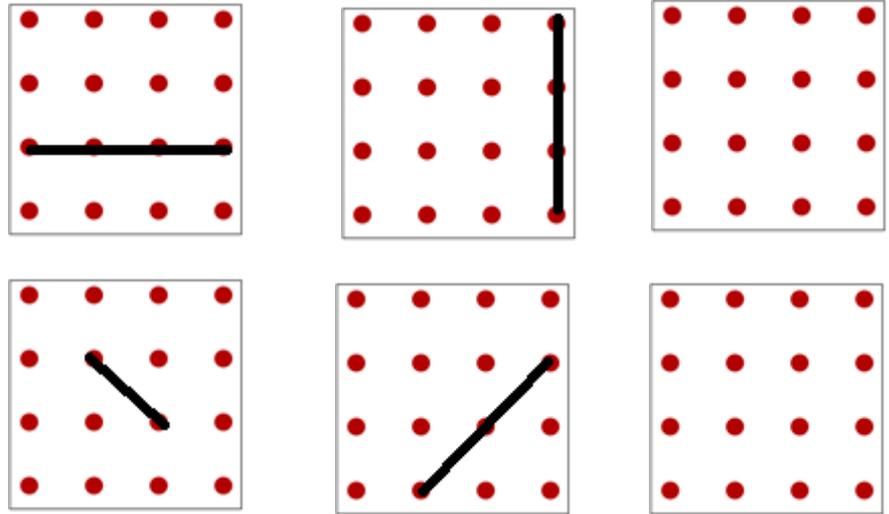
Lucy claims that these are not right angles as they have been rotated.



Is she right?

3

Draw perpendicular lines joining the dots to make at least 1 right angle in each diagram.



4

Use the clues to colour in her shape.

- **Clue 1:** My shape is not above the shape with just one right angle.
- **Clue 2:** My shape is not below a shape with no right angles.
- **Clue 3:** My shape has at least 2 right angles.

