

Year 3 Maths Lesson

2.02.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- 1 warm up activity
- Answers from yesterday
- 1 maths lesson



Remember – you can get Dojos for posting pictures of your work on Class Dojo!



Warm Up Activity 2.

Work out these addition and subtraction calculations
What strategies could you use?



Answers on
the next slide
so no
peeking!

Easier

1. $10 + 4 =$
2. $13 + 6 =$
3. $12 + 7 =$
4. $16 + 9 =$
5. $19 + 3 =$
6. $20 - 4 =$
7. $14 - 3 =$
8. $25 - 9 =$
9. $28 - 10 =$
10. $29 - 11 =$

Harder

1. $22 + 12 =$
2. $34 + 25 =$
3. $44 + 26 =$
4. $65 + 37 =$
5. $66 + 77 =$
6. $24 - 12 =$
7. $36 - 23 =$
8. $64 - 38 =$
9. $89 - 65 =$
10. $97 - 44 =$



Warm Up Activity 2

Answers



Work out these addition and subtraction calculations
What strategies could you use?

Easier

1. $10 + 4 = 14$
2. $13 + 6 = 19$
3. $12 + 7 = 19$
4. $16 + 9 = 25$
5. $19 + 3 = 22$
6. $20 - 4 = 16$
7. $14 - 3 = 11$
8. $25 - 9 = 16$
9. $28 - 10 = 18$
10. $29 - 11 = 18$

Harder

1. $22 + 12 = 34$
2. $34 + 25 = 59$
3. $44 + 26 = 70$
4. $65 + 37 = 102$
5. $66 + 77 = 143$
6. $24 - 12 = 12$
7. $36 - 23 = 13$
8. $64 - 38 = 26$
9. $89 - 65 = 24$
10. $97 - 44 = 53$

3.02.21

Write today's
date and
objective in your
home learning
book.

Can I identify angles inside 2D shapes?

Remember to be
proud of your work
and use your best
presentation

Take a look at how you got on with your work yesterday.

Part 1

A) Sort the pictures into the correct column based on whether the pairs of lines form an angle. A has been done for you.

Lines do form an angle	Lines don't form an angle
<div>B</div> <div>C</div> <div>F</div> <div>I</div>	<div>A</div> <div>D</div> <div>E</div> <div>G</div> <div>H</div>

A

B

C

D

E

F

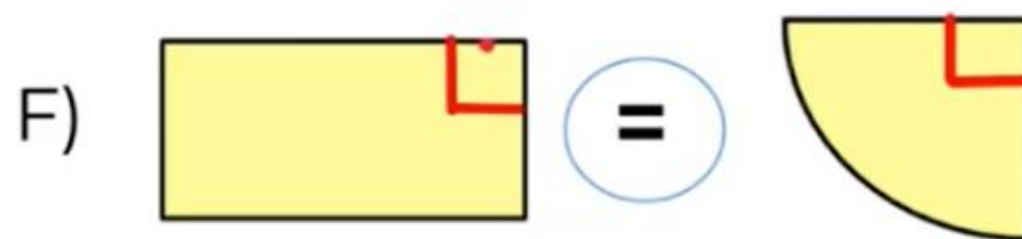
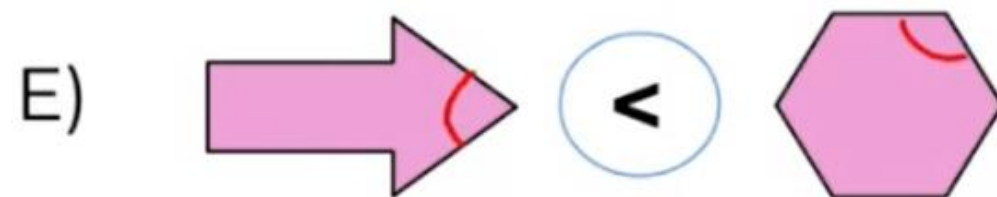
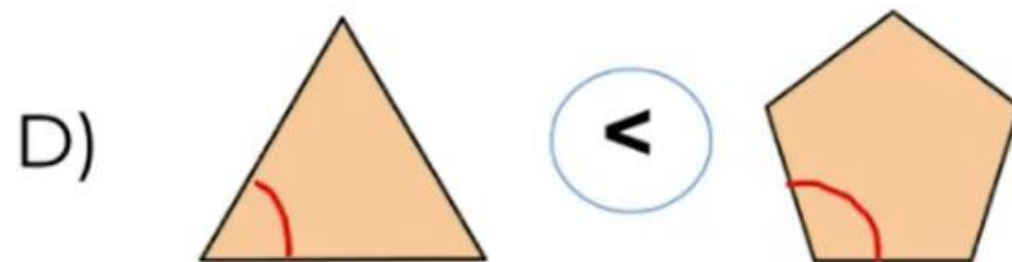
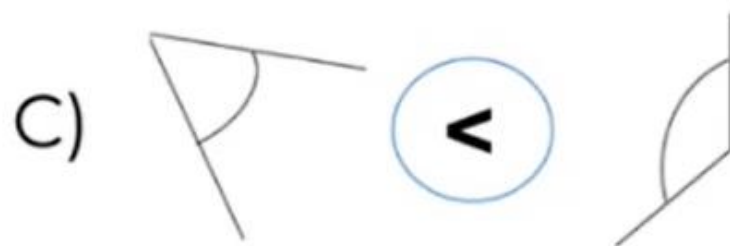
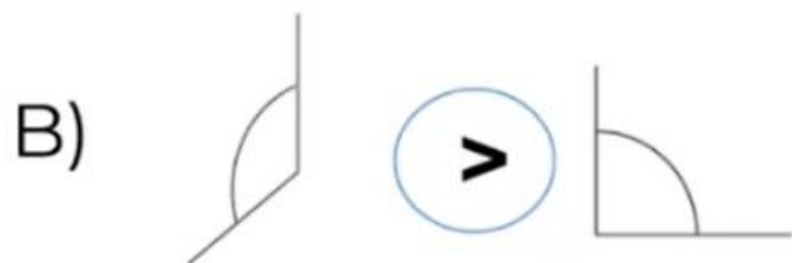
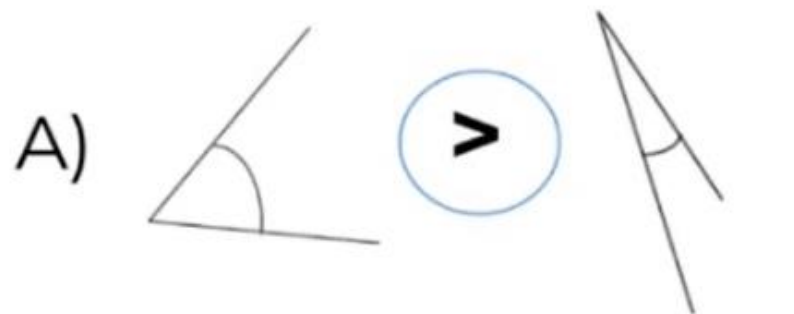
G

H

I

Part 2

B) Use the symbols ($>$, $<$ and $=$) to compare the size of the angles.



For today's Maths lesson , I would like you to use this video from the Oak Academy website. The teacher will take you through a lesson on recognising angles. Click on the link below.

<https://classroom.thenational.academy/lessons/to-identify-angles-inside-2d-shapes-71h38d>

You will need to get the equipment shown here



I have also copied a few of the slides to help you on your way.

Be prepared!

In this lesson, we will review what an angle is. We will begin to explore various angles that are found inside 2-D shapes before noticing patterns between the number of sides and the number of angles.

Today, you will need:

- Pencil
- Paper or exercise book
- Ruler
- Angle detector
 - 2 slices of card
 - 1 split pin

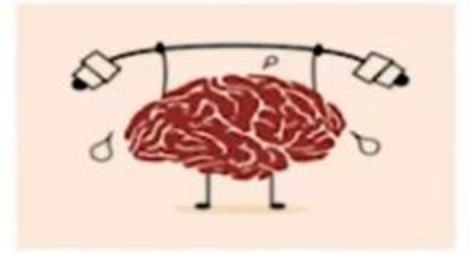


Pause the video now and get your equipment ready.

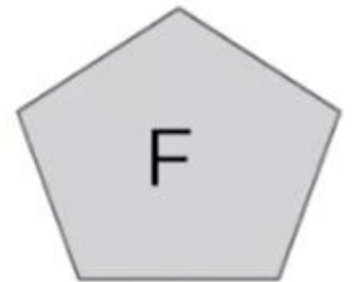
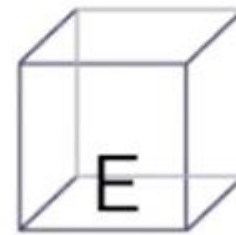
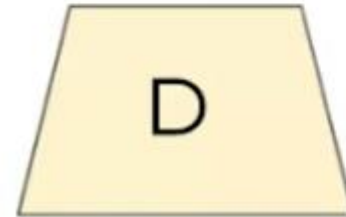
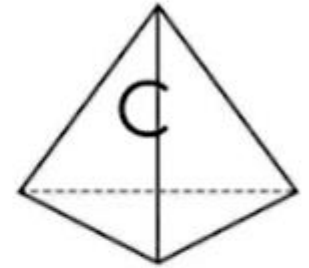
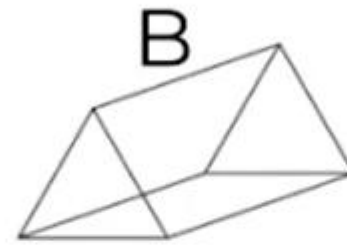
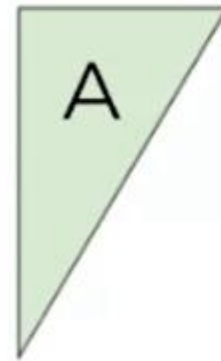


Warm up!

Sort the shapes into 2-D or 3-D



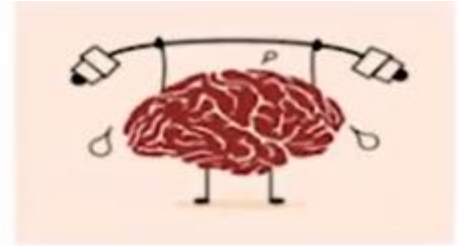
2-D shapes	3-D shapes

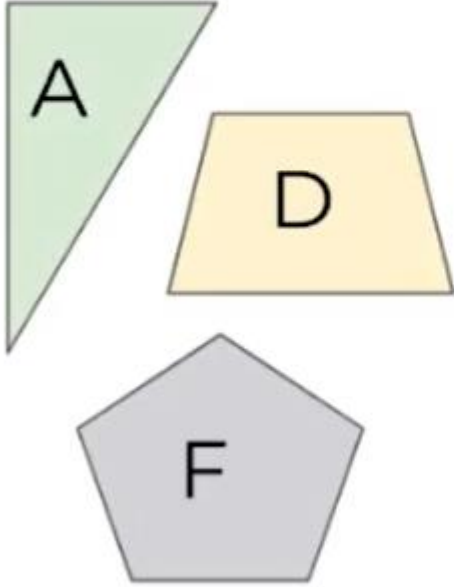
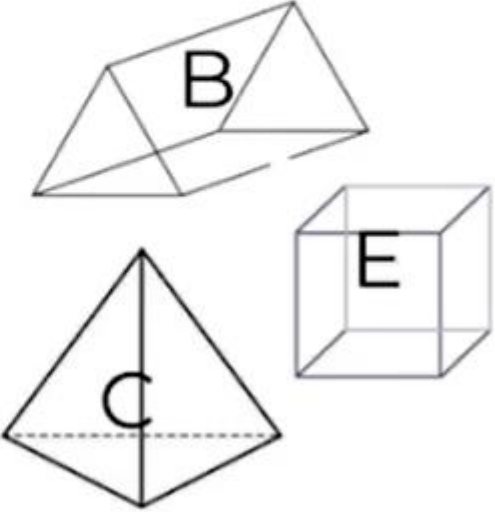


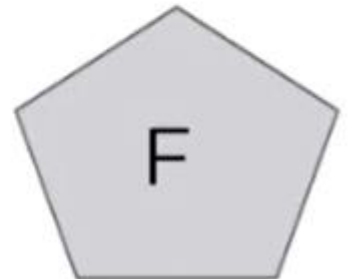
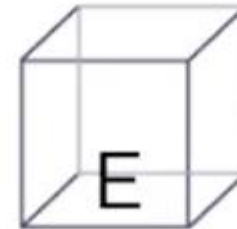
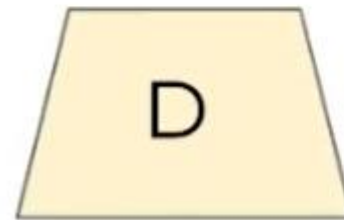
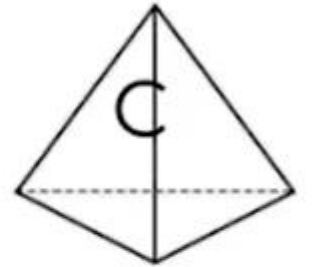
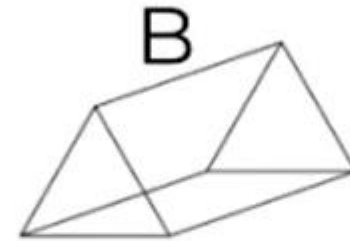
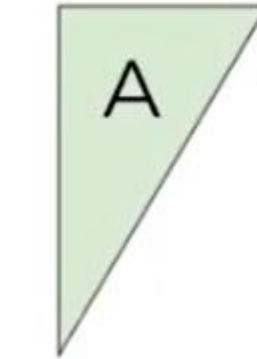
How did you get on?

Warm up!

Sort the shapes into 2-D or 3-D



2-D shapes	3-D shapes
	



Make sure you understand these star words

Star Words



Angle



Property

Turn



Edge

Vertices



Vertex



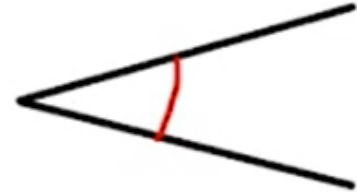
Which of these is a definition of an angle?

Let's Learn...

angle

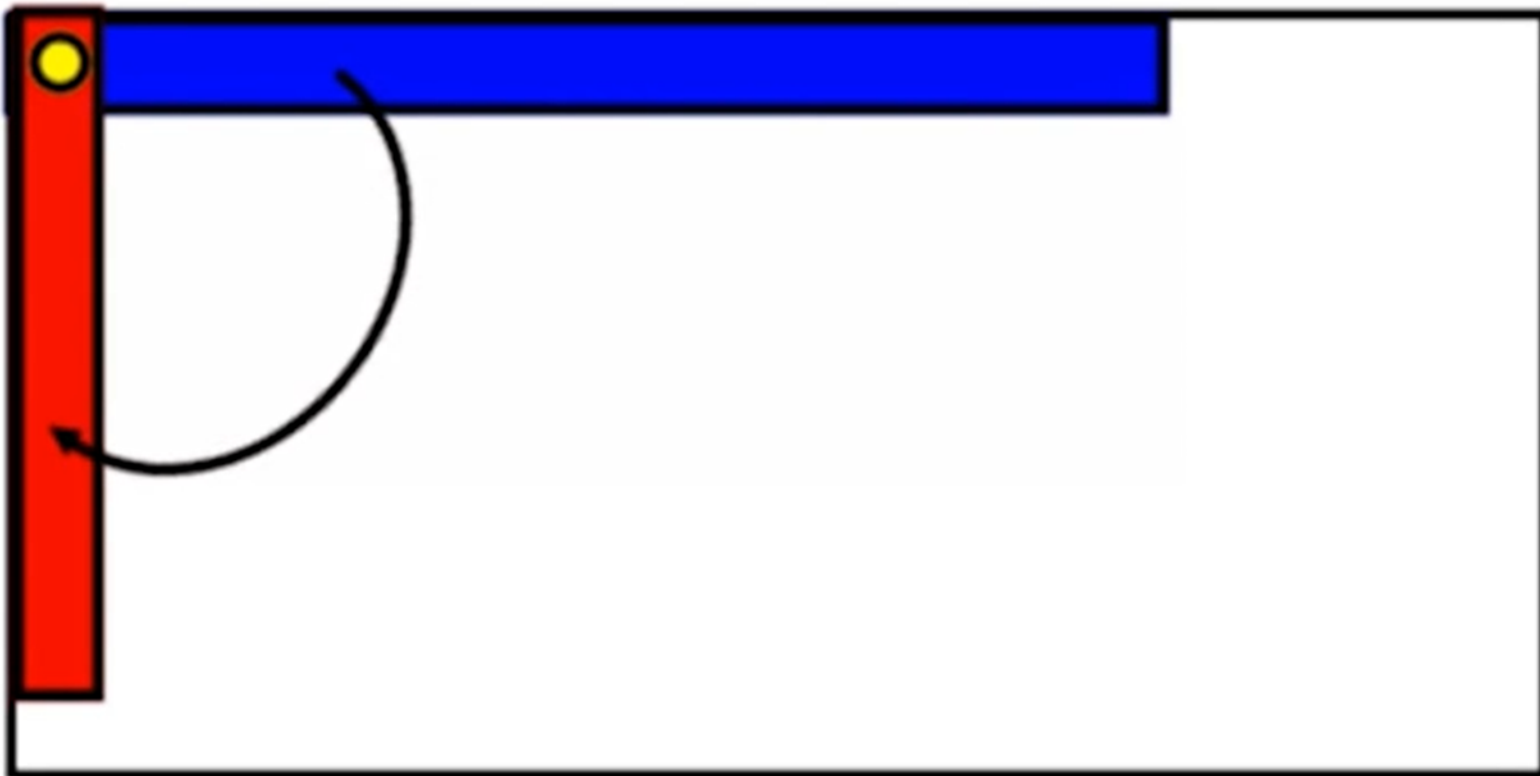


- A) An angle is the space created between two intersecting lines.
- B) An angle is when two lines run alongside each other.
- C) An angle is when two lines pass through each other.



Let's Learn...

Angles inside 2-D shapes



Have a go! How many angles did you find?

Let's Learn...

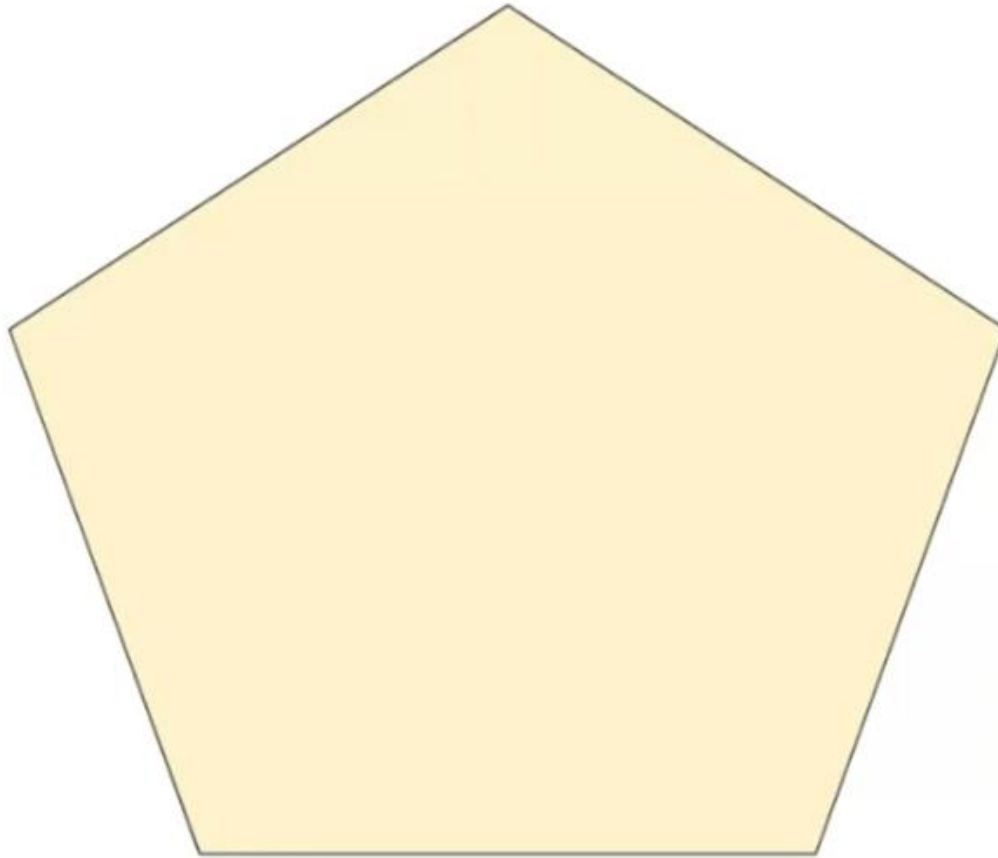
Angles inside 2-D shapes



Have a go! How many angles are there in this shape?

Your Turn...

Can you find the angles inside this shape?

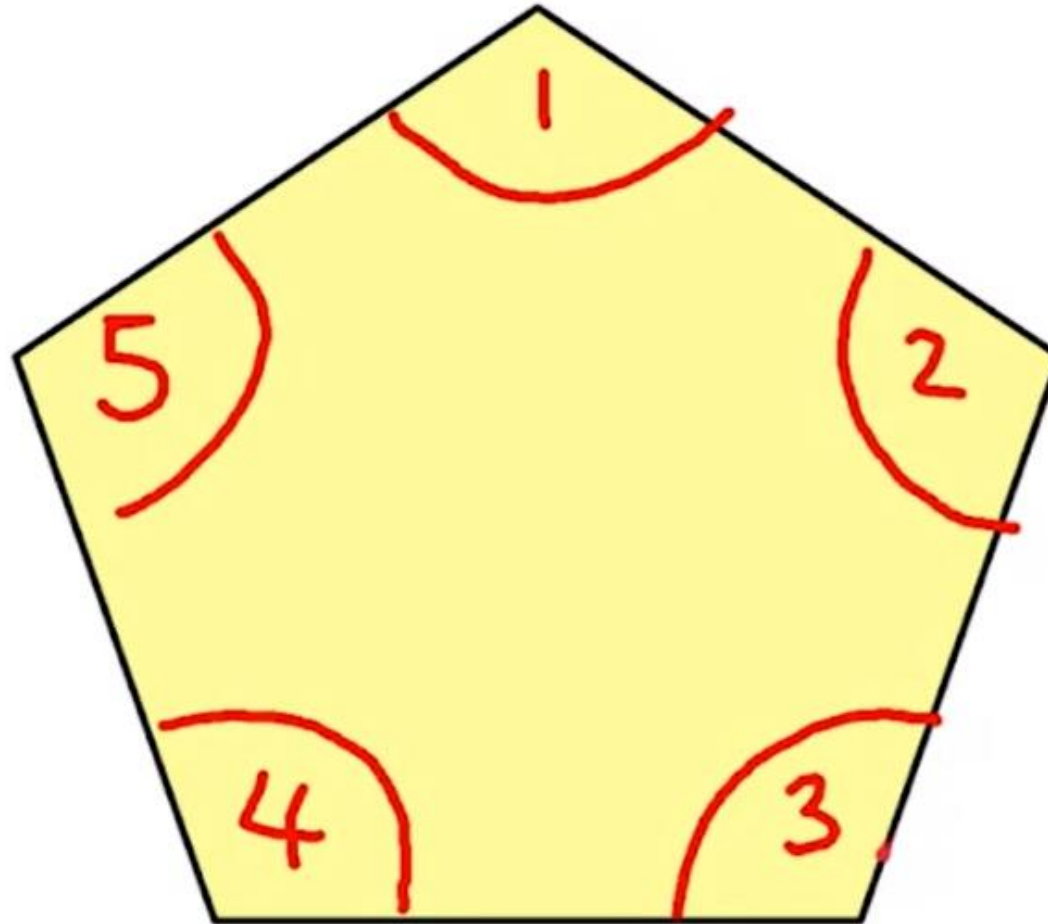


How did you get on?

What do you notice about the number of sides and the number of angles it has?

Your Turn...

Can you find the angles inside this shape?



Have a go! How many angles are there on the inside of this shape?

Let's Explore...

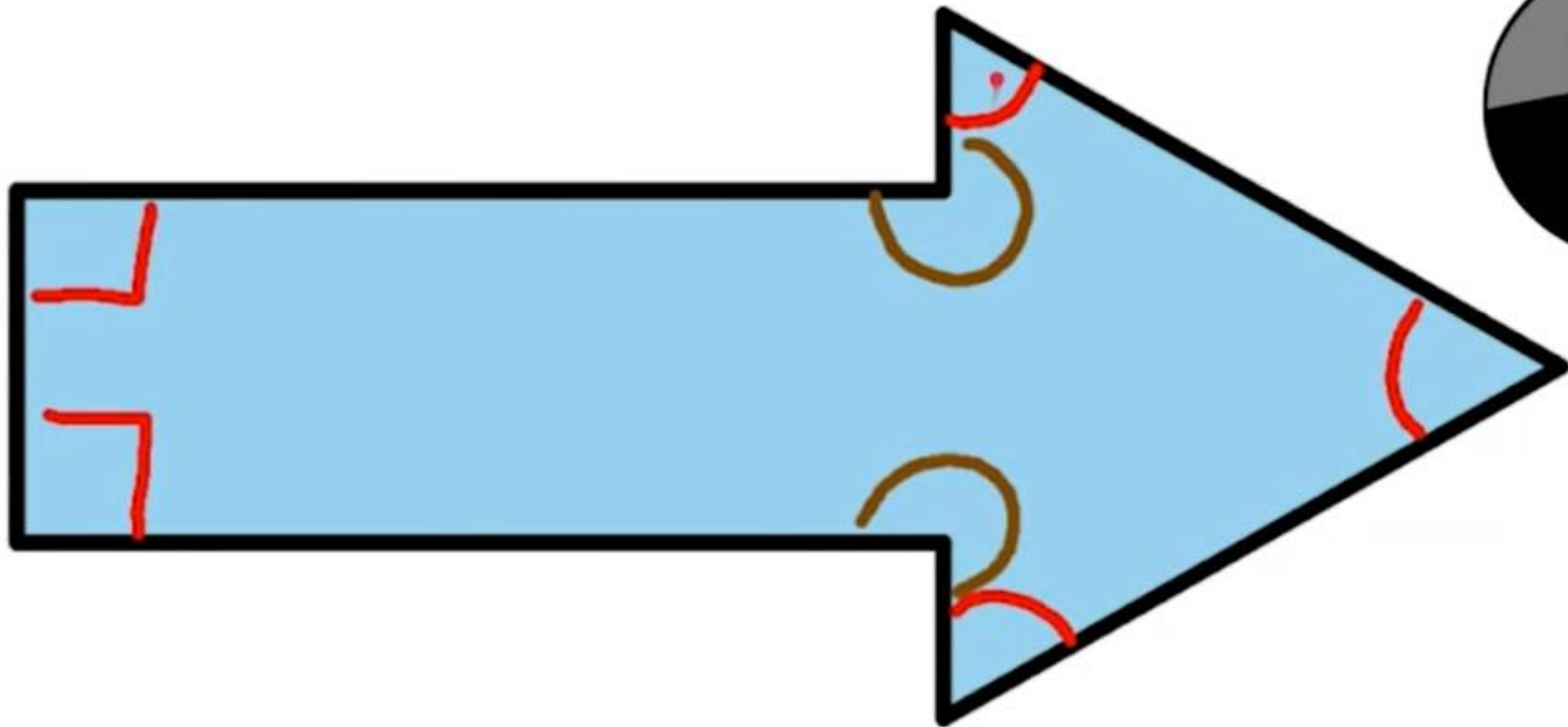
Can you find the angles inside this shape?



How did you get on?

Let's Explore...



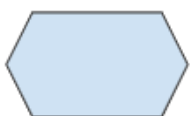


Can you find the angles inside this shape?



Now complete the sheets on the next two slides. If you can't print them off just have a go in your home learning book. Tomorrow's lesson will begin by going through the answers.

Part 1

1. If possible, try to copy this table into your exercise book or onto your piece of paper.
2. Use a ruler to accurately draw the 2-D shapes into the table.
3. Represent the angles inside the drawing of your 2-D shapes.
4. Complete the table.

	Shape		Number of sides	Number of angles
E.g.	Triangle		3	3
A)	 _____			
B)	 _____			
C)	 _____			
D)	 _____			

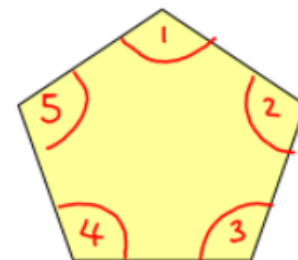




Part 2

B) Look at the table you have just completed.

What do you notice? Are there any patterns? Explain.



C) Do you agree or disagree with Danielle's statement?



My shape has 4 angles inside.
It must be a square.

**Prove it by drawing your own shapes and identifying the angles.
Write a sentence to explain why you agree or disagree.**



Challenge

4a. Sallah is thinking of a shape.

He says,



The shape has 3 angles and 3 sides of the same length.

Draw the shape that he is thinking of.

4b. Katie is thinking of a shape.

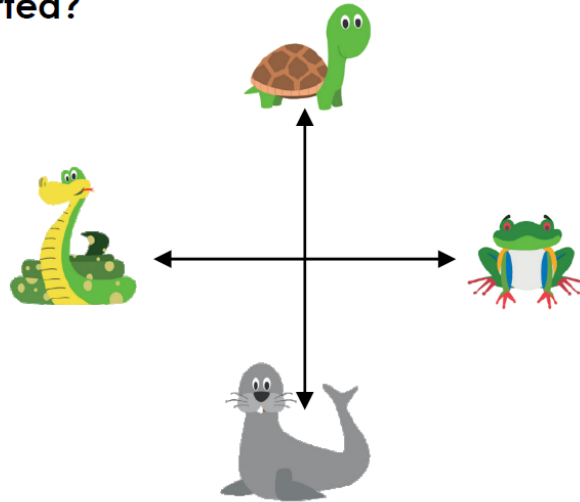
She says,



The shape has 4 angles and 4 sides all the same length.

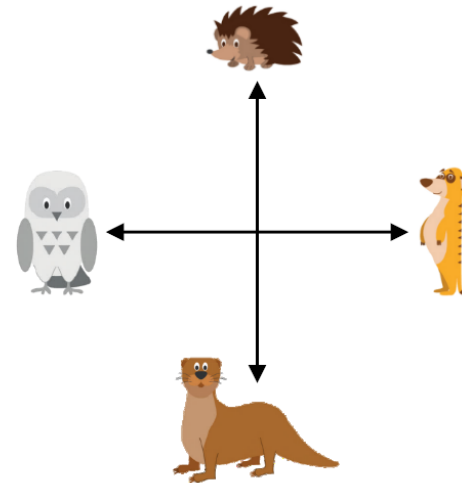
Draw the shape that she is thinking of.

5a. After a three quarter turn anti-clockwise, you are now facing the seal. Which animal were you facing when you started?



PS

5b. After a three quarter turn clockwise, you are now facing the owl. Which animal were you facing when you started?



PS