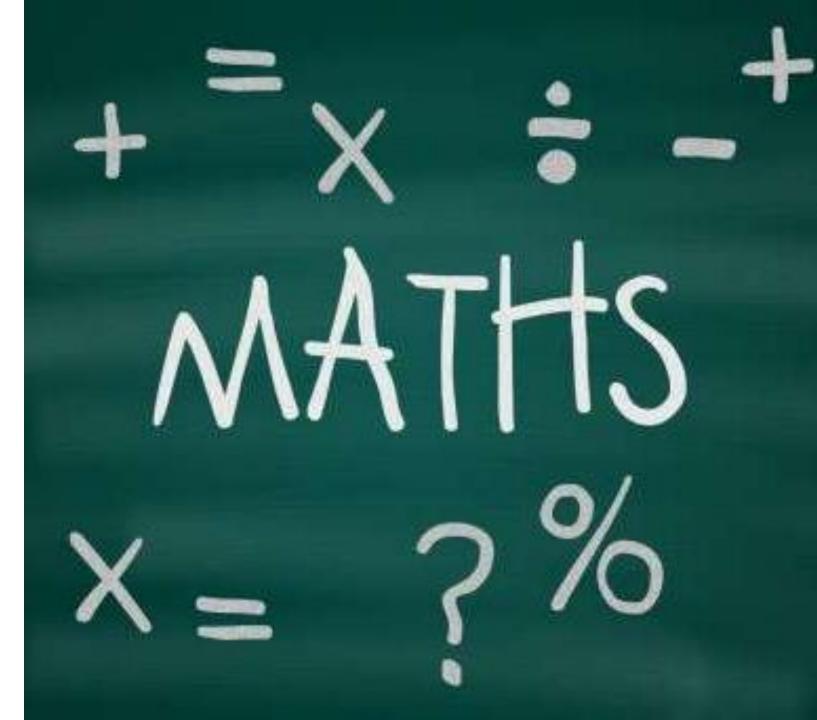
#### <u>Maths</u> <u>Week Commencing</u> <u>6<sup>th</sup> July</u>

- Lesson 1 Identify Angles
- Lesson 2 Compare and Order Angles
- Lesson 3 Triangles
- Lesson 4 Quadrilaterals
- Lesson 5- Friday Challenge

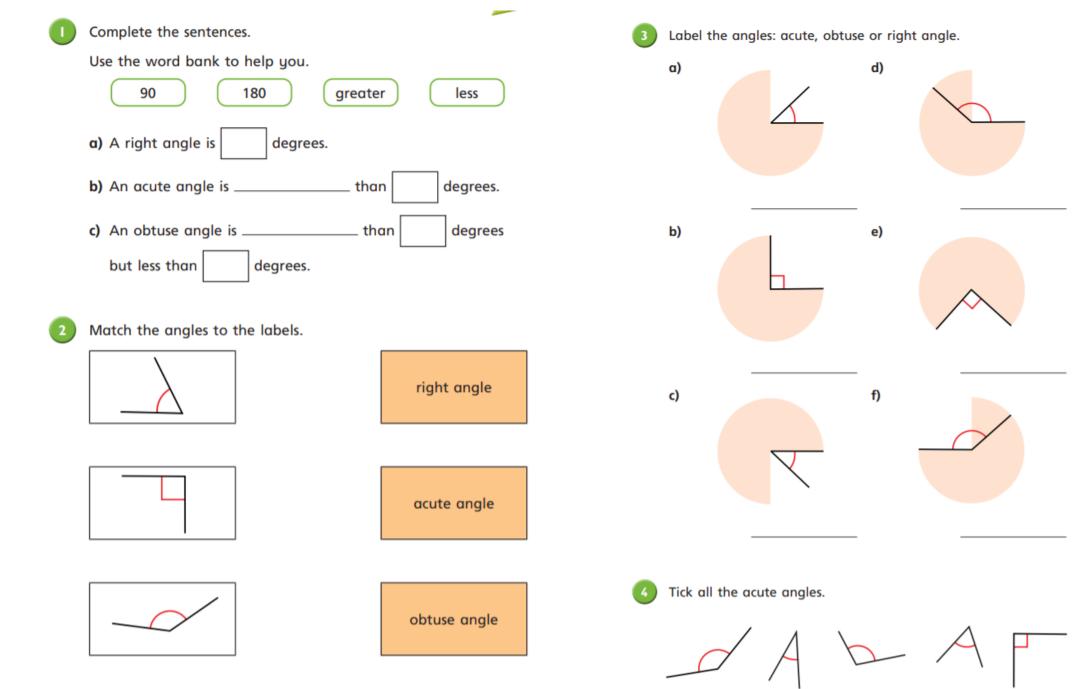


#### <u>Lesson 1</u> – Identify Angles

- Watch the video clip for today's teaching.
   <u>https://whiterosemaths.com/homelearning/year-4/</u>
- 2. Complete the questions on the next few pages.

Optional extra learning: BBC Bitesize Daily activities https://www.bbc.co.uk/bitesize/dailylessons







6

a)

b)

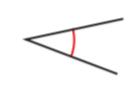
Tick all the obtuse angles.

**c)** 

d)

Label the angles: acute, obtuse or right angle.



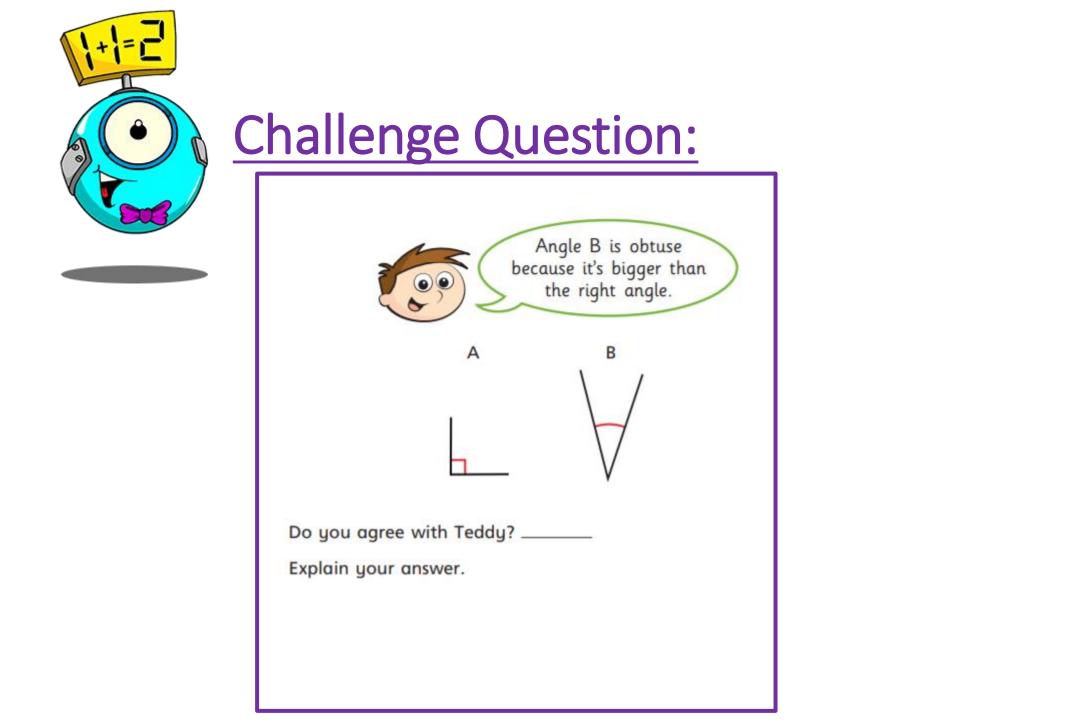


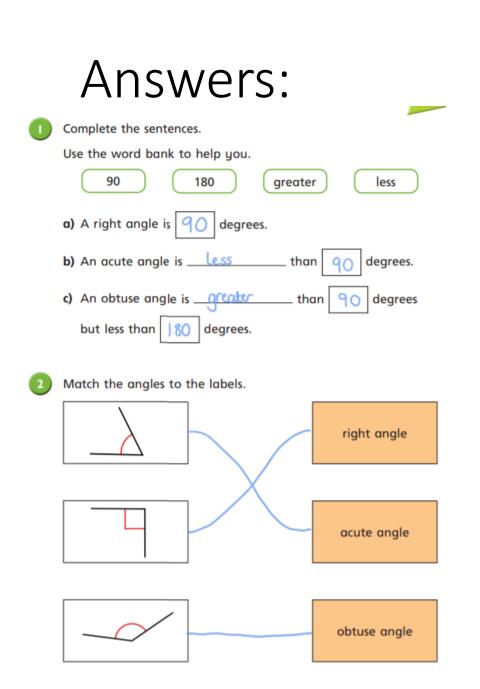
7 19

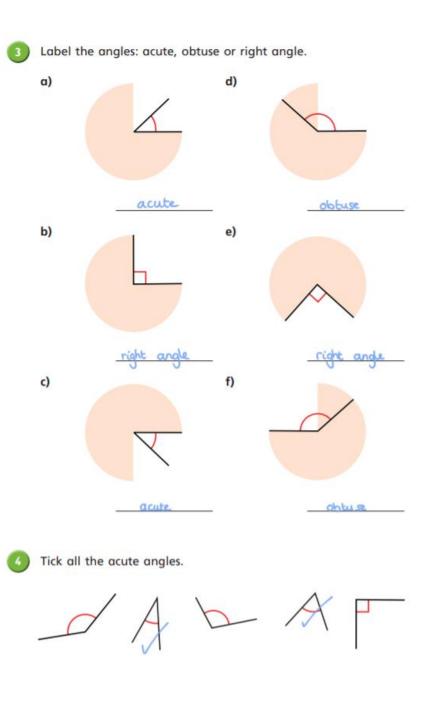
Is the angle acute, obtuse or a right angle?

a) 35°	d) 89°
<b>b)</b> 99°	e) 121°
<b>c)</b> 90°	<b>f)</b> 179°

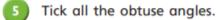
How do you know?



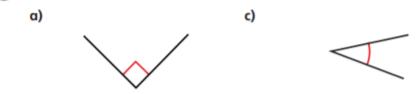


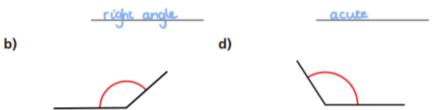


### Answers:





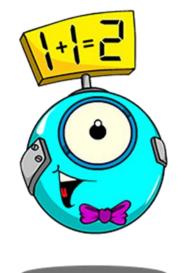




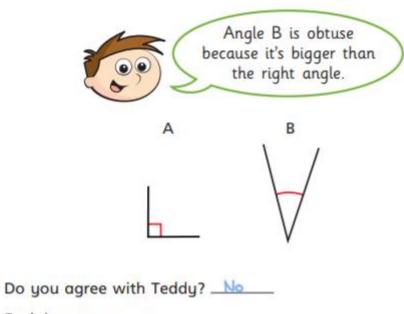
Obtuse obtuse

Is the angle acute, obtuse or a	a right angle?
a) 35° <u>acute</u>	d) 89° <u>acute</u>
b) 99°	e) 121° <u>obtuse</u>
c) 90° <u>right angle</u>	f) 179° <u>obtuse</u>

How do you know?



## **Challenge Question Answer:**



Explain your answer.

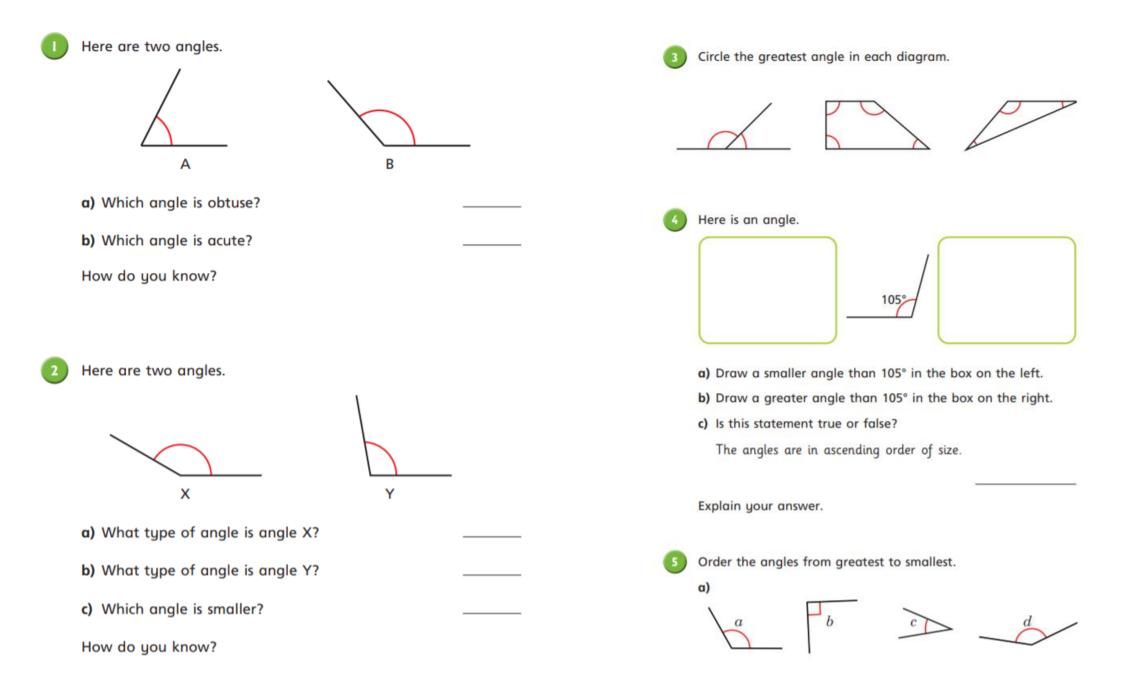
#### Lesson 2 – Compare and Order Angles

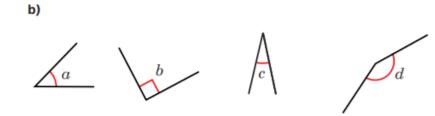
Watch the video clip for today's teaching.
 <u>https://whiterosemaths.com/homelearning/year-4/</u>

2. Complete the questions on the next few pages.

Optional extra learning: BBC Bitesize Daily activities https://www.bbc.co.uk/bitesize/dailylessons



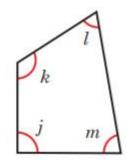




- **c)**

7

Four angles are labelled in the quadrilateral.



a) Which of the angles are acute angles?

b) Which of the angles are obtuse angles?

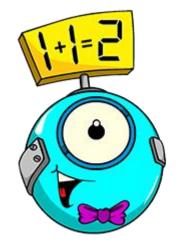
c) Write the angles in order of size, starting with the smallest.

6 Compare and order the angles from smallest to greatest.



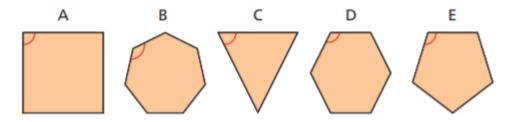
a

d



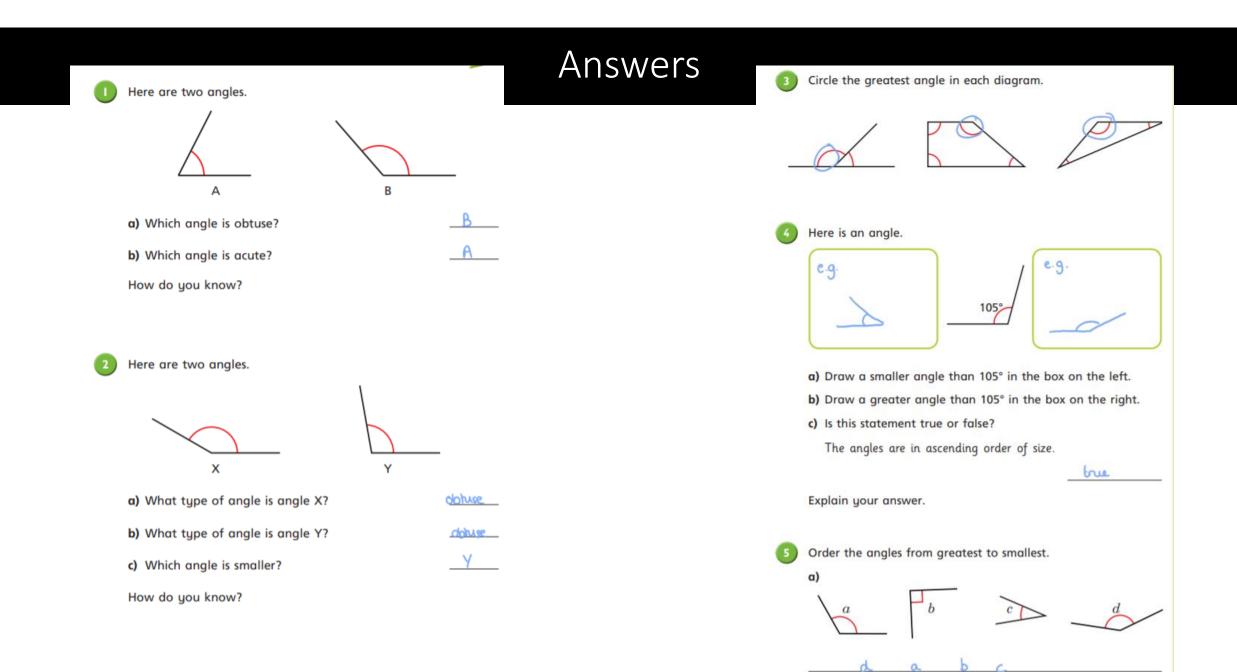
## **Challenge Question:**

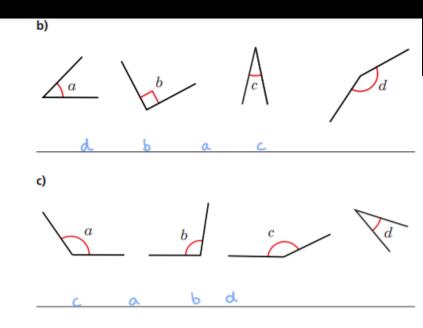
An interior angle is marked in each polygon.



Order the interior angles of the polygons from smallest to greatest.

What do you notice about the number of sides a polygon has and the size of its interior angle?





6

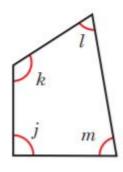
Compare and order the angles from smallest to greatest.

|a|

Answers



Four angles are labelled in the quadrilateral.



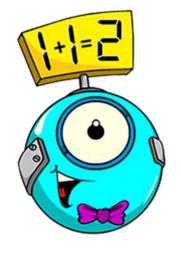
a) Which of the angles are acute angles?



b) Which of the angles are obtuse angles?

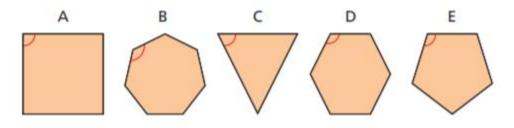
m

c) Write the angles in order of size, starting with the smallest.



## **Challenge Question Answer:**

An interior angle is marked in each polygon.



Order the interior angles of the polygons from smallest to greatest.



What do you notice about the number of sides a polygon has and the size of its interior angle?

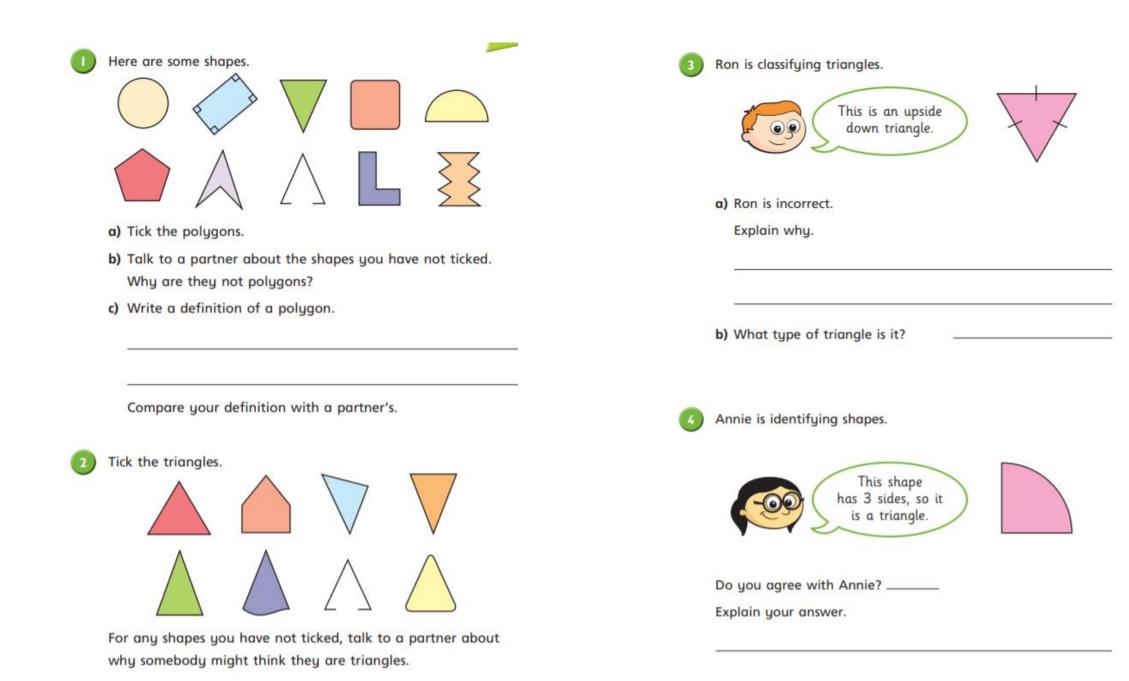
#### Lesson 3 – Triangles

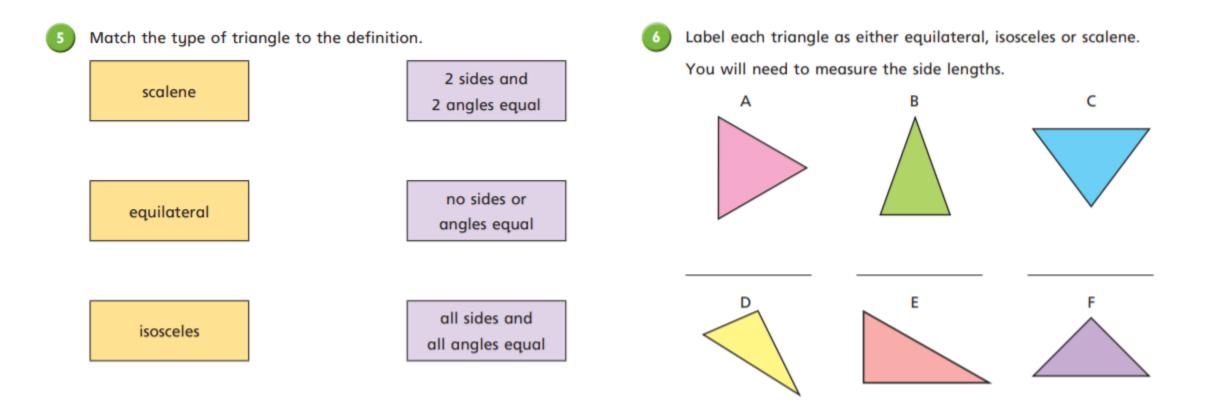
1. Watch the video clip for today's teaching. <u>https://whiterosemaths.com/homelearning/year-4/</u>

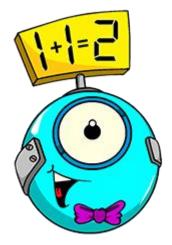
2. Complete the questions on the next few pages.

**Optional extra learning:** BBC Bitesize Daily activities https://www.bbc.co.uk/bitesize/dailylessons





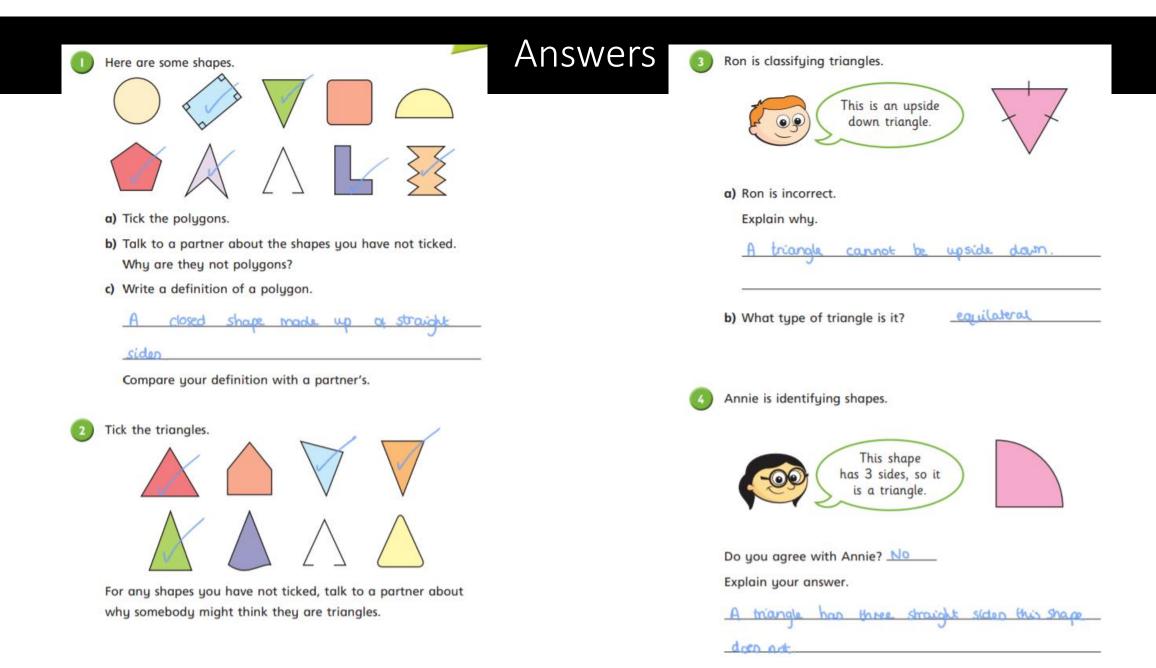




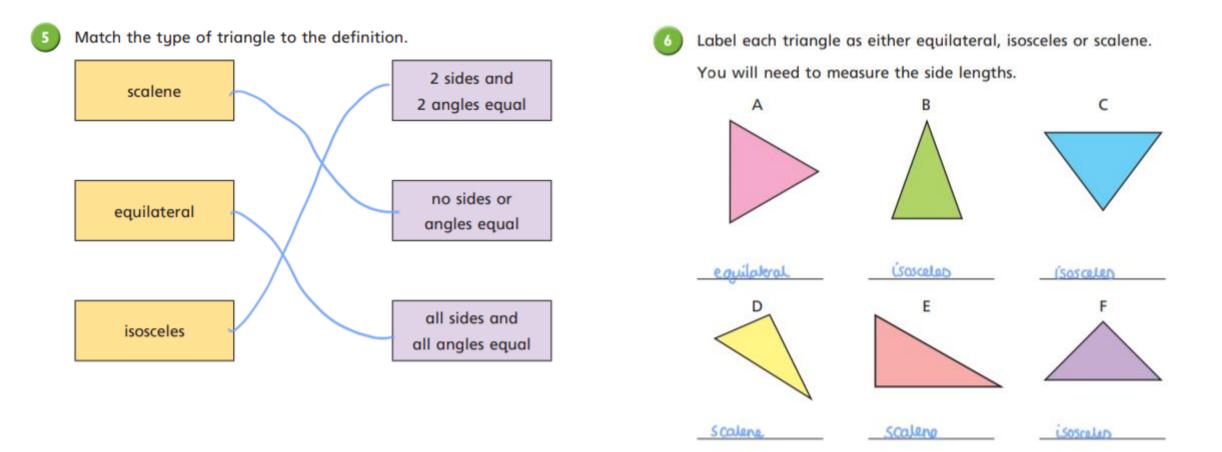
## **Challenge Question:**

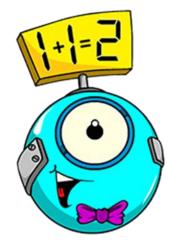
The diagram shows an equilateral triangle and a square. The perimeter of the square is 100 cm. Work out the perimeter of the compound shape.





#### Answers



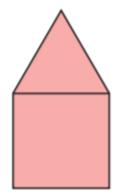


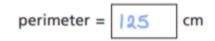
## **Challenge Question Answer:**

The diagram shows an equilateral triangle and a square.

The perimeter of the square is 100 cm.

Work out the perimeter of the compound shape.





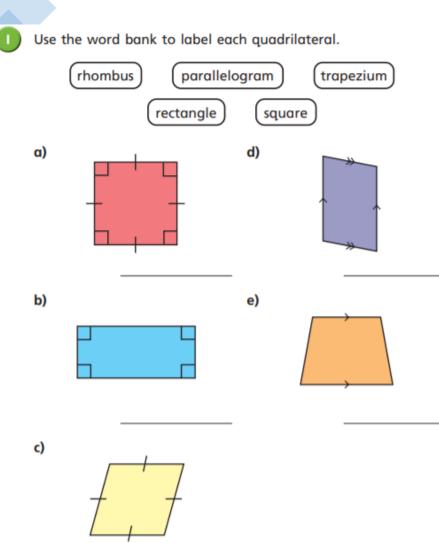
#### **Lesson 4 – Quadrilaterals**

Watch the video clip for today's teaching.
 <u>https://whiterosemaths.com/homelearning/year-4/</u>

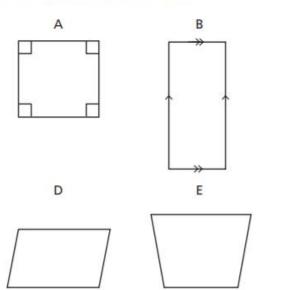
2. Complete the questions on the next few pages.

Optional extra learning: BBC Bitesize Daily activities https://www.bbc.co.uk/bitesize/dailylessons





Here are some quadrilaterals.



C

- a) Mark any right angles on the shapes.
   One shape has been done for you.
- b) Mark any pairs of parallel lines.
  One shape has been done for you.
- c) Which shapes do not have any right angles?

d) Which shapes have two pairs of parallel lines?

e) Which shapes have four equal sides?

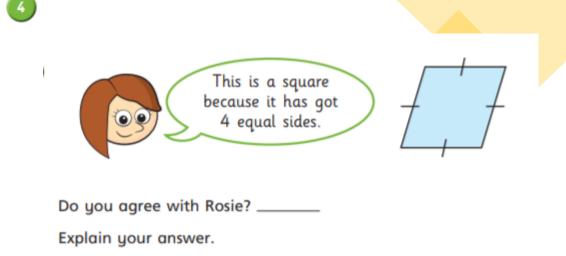
How did you know which shape was which?

Complete the table.

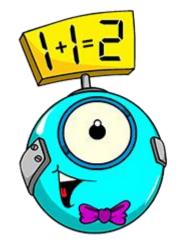
Shape	Polygon?	Number of sides	Number of right angles	Number of pairs of parallel sides	Number of equal sides
	Yes	4	4	2	2 pairs
					2
f t					

What is the same about all of the shapes?

What is different?

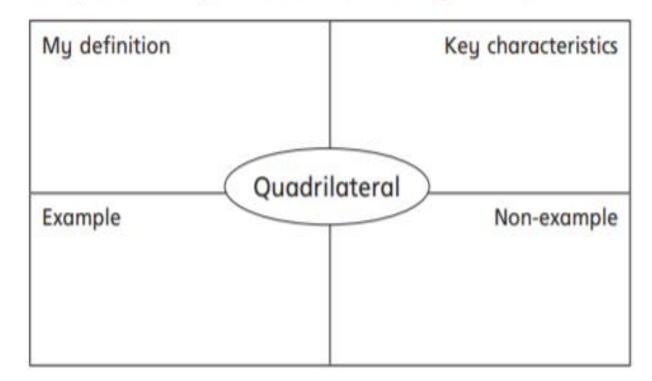


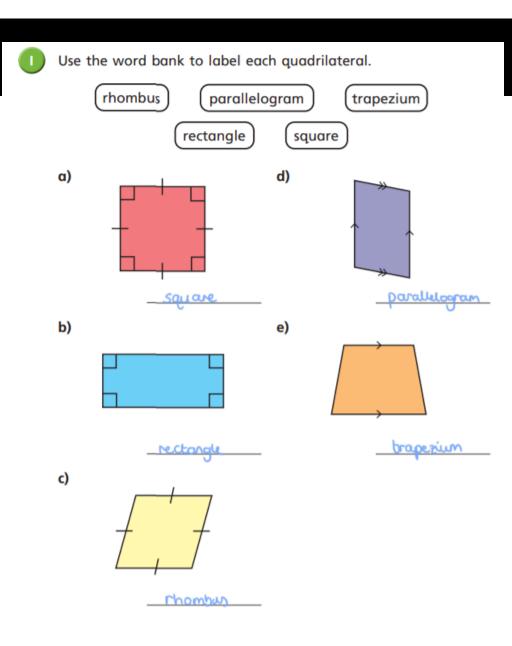




## **Challenge Question:**

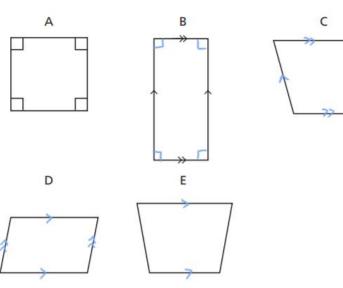
Complete this Frayer Model to describe a quadrilateral.





Answers

Here are some quadrilaterals.



- a) Mark any right angles on the shapes.
   One shape has been done for you.
- b) Mark any pairs of parallel lines.
  One shape has been done for you.

c) Which shapes do not have any right angles?

CDE

d) Which shapes have two pairs of parallel lines?

BCD

e) Which shapes have four equal sides?

How did you know which shape was which?

AC

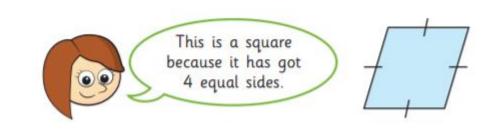


Complete the table.

Shape	Polygon?	Number of sides	Number of right angles	Number of pairs of parallel sides	Number of equal sides
	Yes	4	4	2	2 pairs
<b>À</b>	Yes	4	0	I	2
	Чер	4	0	2	2 pairs
	Чер	4	4	2	4
	Чер	ц	0	2	4
	Yeo	4	0		0

#### Answers

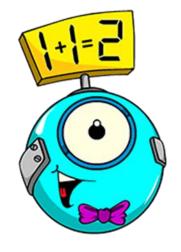




Do you agree with Rosie? <u>No</u> Explain your answer.

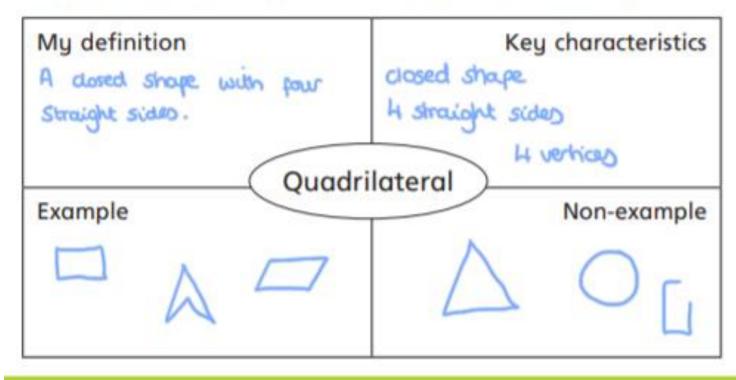
What is the same about all of the shapes?

What is different?



## **Challenge Question Answer:**

Complete this Frayer Model to describe a quadrilateral.



## Its Friday!

# Can you complete the Friday Maths Challenge?

https://whiterosemaths.com/homelearning/year-4/

Best of luck!

# Year 4

