Friday 8th May

Thought of the day

When addressing the public on VE Day, King George VI called upon people to remember those who died and to:

"...make the world such a world as they would have desired for their children and for ours."

Think carefully about King George VI's words.

What sort of world would you want to live in?

What needs to happen to make it so?

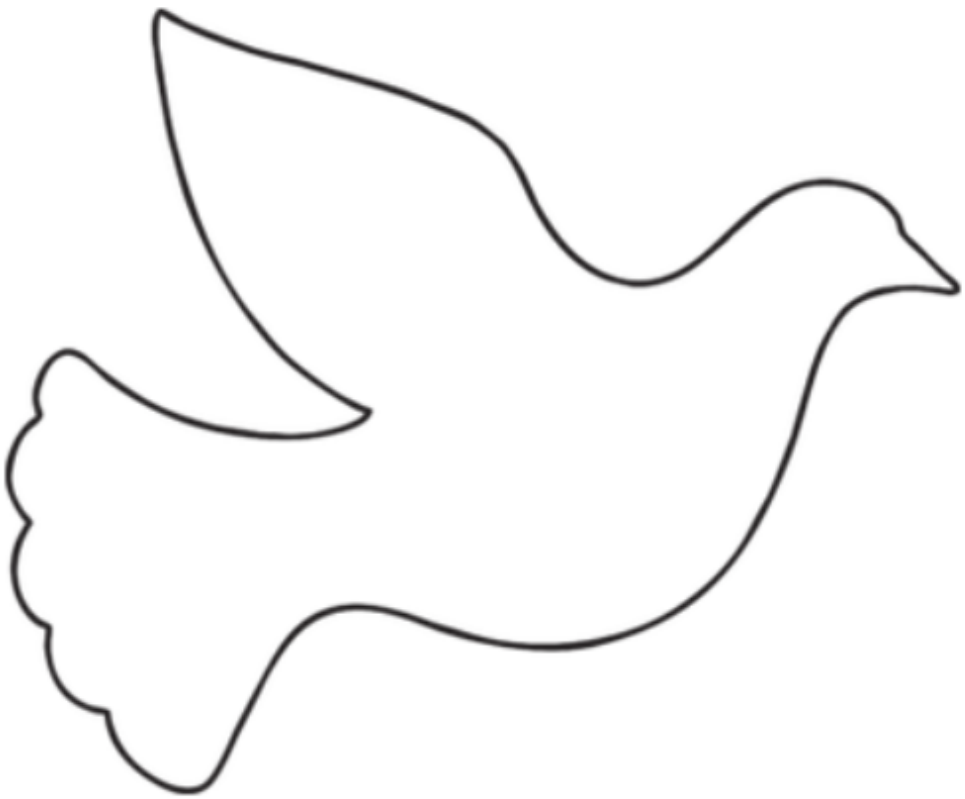
What can you do to make the world as you want it to be?

How and why might this view change when you are an adult?

If you and your family are holding a VE Day celebration today, we hope you have a wonderful time.

Art – Peace

VE Day was the start of peace after six years of war. Create a piece of art depicting a dove - often used as a symbol of peace - that reflects what people felt on VE Day. You can perhaps use words and colours to show this. There is a dove template on the next slide. Use whatever resources you have at home to complete this.



Maths Activity 5a – ten in ten ☺

1) 3/8 of 64 =
2) 9/11 - 4/11 =
3) 1080 divided by 9 =
4) 0.5 x 1268 =
5) 13 - 7.56 =
6) 0.039 x 1000 =
7) 4/6 + 3/5 =
8) 2% of 700 =
9) 348 divided by 29 =
10) 2/8 x 8/11 =

You know the rule!

Ten minutes to answer ten questions ☺

Maths Activity 5b - Quadrilaterals

We have included Learning Reminders that will help you with answering today's questions.

Don't forget that you can also use your Maths revision book to help you.

Learning Reminder

Classify and sort quadrilaterals.

- Draw two different quadrilaterals (4 straight sides).
- Describe your shapes and agree what is different and what is the same about them.

Does one shape have at least one pair of parallel sides? What shape is it?

Does one shape have at least one pair of perpendicular sides? What shape is it?

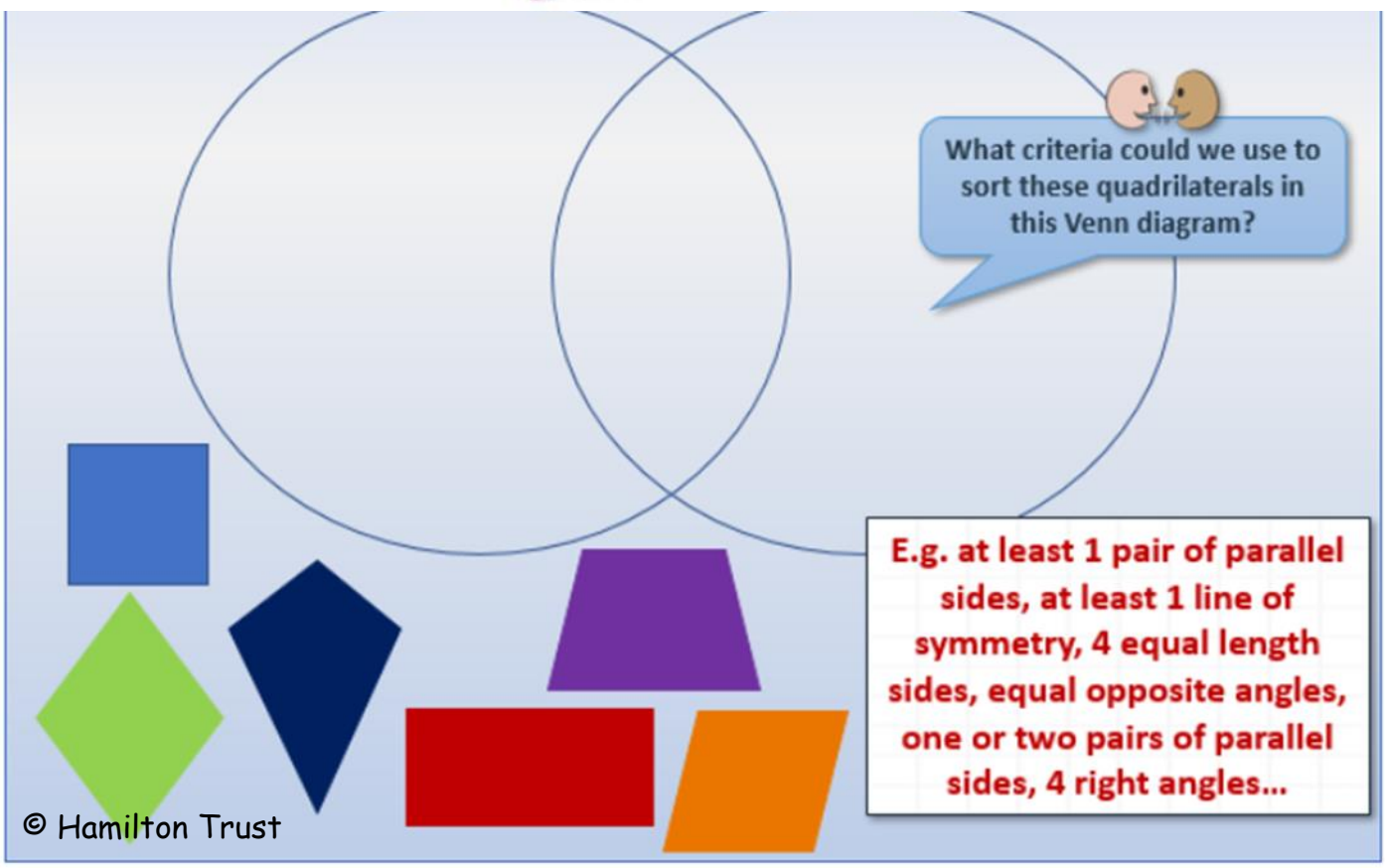
Does one shape have four right angles? What shape is it?

Does one shape have four equal sides? What shape is it?

Rectangles have four right angles.

Squares have four right angles AND four equal sides.

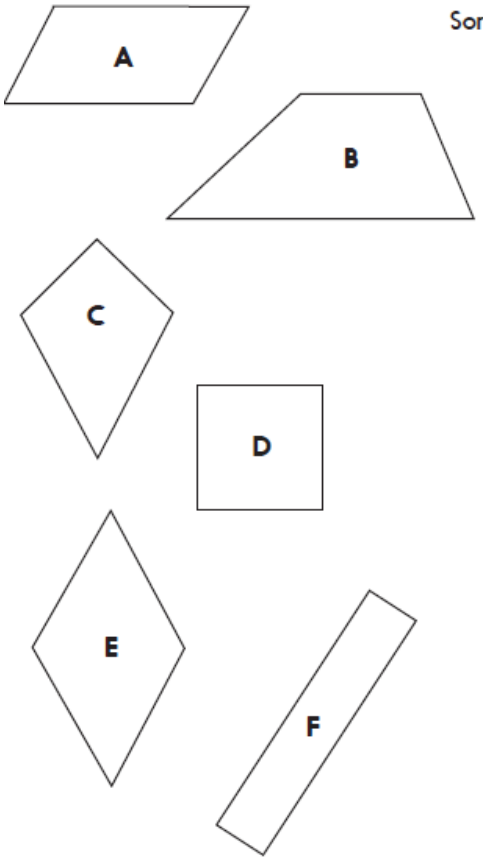
A rhombus has equal sides, but two different angle sizes (opposite angles equal).

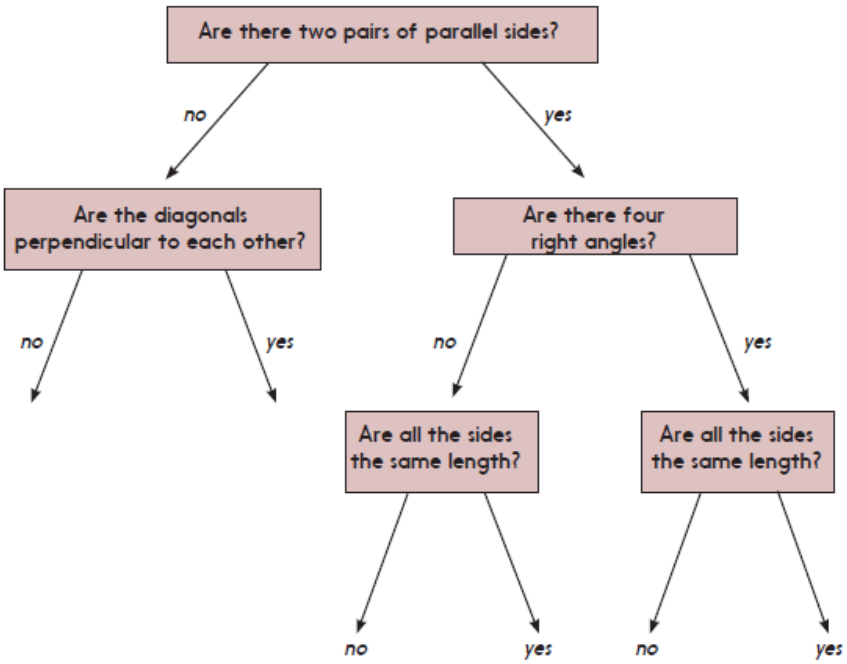


Maths Activity 5b **

Quadrilateral sort

Sort each of the shapes using the diagram - what is the name of each?





Maths Activity 5b ***

Quadrilateral challenge

Discuss the questions below with a partner. Write your answers in your book, and use diagrams to illustrate your answers.

Can you draw a...

1. Quadrilateral with exactly 3 right angles? If so can you name it?
2. Quadrilateral with exactly 2 right angles? If so can you name it?
3. Symmetrical quadrilateral with exactly 1 right angle? If so can you name it?
4. Quadrilateral with exactly 3 equal sides? If so can you name it?
5. Quadrilateral with no right angles and two pairs of equal sides that are next to each other. If so, can you name it?
6. Quadrilateral with two pairs of opposite equal sides and no right angles. If so can you name it?
7. Trapezium with no lines of symmetry.
8. A quadrilateral with no equal sides or angles.

Challenge

Does the quadrilateral you drew in (8) tesselate?
Tesselate means that repeated copies of it fit together with no gaps.

Maths Activity 5c - Challenge

Check your understanding

Questions

Mystery quadrilaterals

- I have one pair of non-equal parallel sides. What am I?
- I have two pairs of equal sides, but no sides are parallel. Two opposite angles are equal but not the other two. What am I?
- I have four equal sides but no right angles. What am I?
- I have two pairs of parallel sides and no right angles. What am I?

ANSWERS Maths Activity 5a – ten in ten ☺

1) 24
2) 5/11
3) 120
4) 634
5) 5.44
6) 39
7) 38/30 or 1 8/30
8) 14
9) 12
10) 16/88 or 2/11

ANSWERS Maths Activity 5b ** and ***

Quadrilateral sort (mild)

A = Parallelogram
B = Trapezoid
C = Kite
D = Square
E = Rhombus

Quadrilateral challenge (hot)

1. No quadrilateral can have exactly 3 right angles. Exactly 2 are possible (see Q2), as are exactly 4, but not 3.
2. Shapes created will either be a form of trapezium, or a kite, or an irregular quadrilateral.
3. Kite
4. No quadrilateral can have exactly 3 equal sides. Exactly 2 are possible (e.g. trapezoid), as are exactly 4 (square, rhombus) but not 3.
5. Kite
6. Parallelogram
7. Yes, various examples may be drawn
8. Yes, various examples may be drawn

ANSWERS Maths Activity 5c Challenge

Mystery quadrilaterals

- I have one pair of non-equal parallel sides. What am I? A trapezium.
- I have two pairs of equal sides, but no sides are parallel. Two opposite angles are equal but not the other two. What am I? A kite.
- I have four equal sides but no right angles. What am I? A rhombus.
- I have two pairs of parallel sides and no right angles. What am I? A parallelogram.

Children will find it helpful to sketch the shapes in questions like these.