## Green <br> Properties of quadrilaterals

For each of these quadrilaterals, write the name, number of equal sides, right angles and pairs of parallel sides.
a)

b)

c)


Sort the quadrilaterals into the Venn diagram below using the name of the shape.
Halima thinks that the shape matches


Look at the quadrilaterals below. Which is the odd one out? Explain your answer.


Yao thinks that the shape matches his statement. Is he correct? Explain your answer.


Terry is thinking of a shape. It has:

- $\mathbf{4}$ sides
- 2 pairs of parallel sides
- No right angles

What shape could Terry be thinking of? Give all possible answers.

# Yellow <br> Properties of quadrilaterals 



# Red <br> Properties of quadrilaterals 

| True or false? |
| :--- | :--- |
| This quadrilateral is a |
| square as all sides are |
| of equal length. |

## Green Answers Properties of quadrilaterals



Sort the quadrilaterals into the Venn diagram below using the name of the shape.
Has more than 1 pair of equal length sides: parallelogram Middle section: square, rectangle


Halima thinks that the shape matches her statement. Is she correct? Explain your answer. has 2 right angles.
Halima is incorrect. A parallelogram does not have any right angles.

False because it is a rectangle. Rectangles do have 2 pairs of sides equal in length but they have 4 riaht anales, not 2.
Look at the quadrilaterals below. Which is the odd one out? Explain your answer.

square

Yao thinks that the shape matches his statement. Is he correct? Explain your answer.

Yao is correct as a square has all equal length sides and 4 right angles.

Terry is thinking of a shape. It has:

- $\mathbf{4}$ sides
- 2 pairs of parallel sides


## Terry could be thinking of a parallelogram or a rhombus.

What shape could Terry be thinking of? Give all possible answers.

# Yellow Answers <br> Properties of quadrilaterals 



Copy and complete the description of this shape.
This shape has $\qquad$ sides. It has $\qquad$ right angles. It has $\qquad$ sets of parallel sides.


Copy and complete the description of this shape.
This shape has $\qquad$ sides right angles.
angles. It has ___ sets of puiviner sives.


False because it is a trapezium. Trapeziums only have one pair of parallel sides and no

Jenny thinks that the shape matches her statement.
Which statements are true?
It is a narallalnaram
It is a parallelogram; it has parallel lines; it has 4 sides

| It has 4 sides |
| :--- | :--- |

## It has no parallel sides

It has 4 sides; it has 4 right angles; it is a square; it has equal sides


```
a) only one set of parallel lines;
Children may draw trapeziums.
b) no right angles;
Children may draw parallelograms, trapeziums, kites or any irregular quadrilateral fitting the description.
c) all sides of equal length.
Children may draw a square or a rhombus.
```

c) all sides of equal length.

## Red Answers Properties of quadrilaterals



