

Shapes with four sides

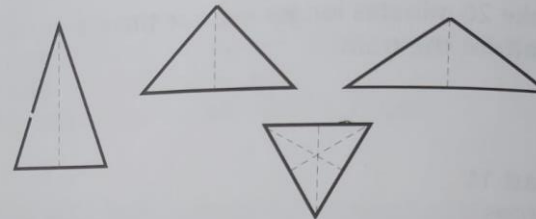
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- 1 (a), (b) Practical work.
(c) Both the square and the rhombus have four equal sides.
The square has four right angles.
The rhombus does not have right angles; it has two pairs of equal angles.
- 2 (a), (b) Practical work.
(c) Both the parallelogram and the rectangle have two pairs of opposite sides equal.
The rectangle has four right angles.
The parallelogram does not have right angles; it has two pairs of equal angles.
- 3 (a) Practical work.
(b) The equal sides in a parallelogram are opposite each other. The equal sides in a kite are next to each other.
- 4 See Workbook page 18.

1 and 2 Practical work.

3 See Workbook page 20.

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- 5 (a) a rhombus
(b) a parallelogram, a rhombus, a kite
(c) a kite
- 6 (a), (b) and (c) Practical work.
(d) an isosceles triangle

Congruent shapes

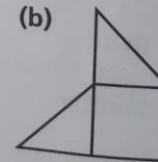
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1 Practical work.

2 (a)



(b)



3 (a)



- (a), (b), (c) Practical work
 (d) A rhombus has 4 equal sides. Its opposite angles are equal.

- (a), (b), (c) Practical work
 (d) A square has 4 equal sides. It has 4 equal angles.

- (a), (b) Practical work
 (c) An isosceles triangle has 2 equal sides. It has 2 equal angles.

- (a) The opposite sides of a rectangle are equal. It has 4 equal angles.
 (b) An equilateral triangle has 3 equal sides. It has 3 equal angles.
 (c) A kite has 2 pairs of equal sides. It has one pair of equal angles.
 (d) The opposite sides of a parallelogram are equal. Its opposite angles are equal.

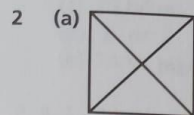
- (a) a kite (b) an isosceles triangle (c) a parallelogram
 (d) a rectangle (e) an equilateral triangle

- (a) red shape – a rhombus or a parallelogram
 blue shape – a square, a rhombus or an equilateral triangle
 green shape – a kite or an isosceles triangle

(b) Other clues are possible

- red shape – a rhombus: it has 4 equal sides or
 it has 2 lines of symmetry
 a parallelogram: its opposite sides are equal or
 it has no lines of symmetry
 blue shape – a square: it has 4 equal angles
 a rhombus: its opposite angles are equal
 an equilateral triangle: it has 3 equal angles
 green shape – a kite: it has 2 pairs of equal sides
 an isosceles triangle: it has 1 pair of equal sides

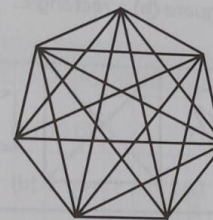
- 1 A, D, E



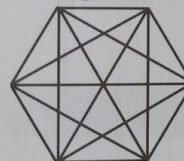
- (b) Children's own drawings of four-sided shapes showing two diagonals.

- 3 (a) Practical work

- (b) 4 diagonals
 (c) 14 diagonals

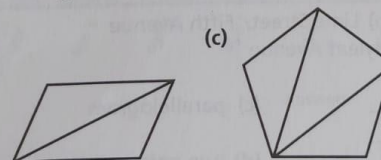


- 4 A hexagon has exactly 9 diagonals



- 5 (a) Practical work
 (b) The triangle

- 6 (a), (b)



- 7 Children colour triangles in question 6.

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