





3. Using the words you have learned, describe the following capital letters: Example: H – Letter H has two parallel vertical lines and one horizontal line.

a) b) B
d) E
t) I I (ə
g) A h) X
ц с х о

4. Which word (in capital letters) is being described below?

First letter

One full-length perpendicular line is joined at the top and at its centre point by two parallel lines, the former slightly longer than the latter, extending to the right horizontally.

Second letter

A symmetrical, wedge-shaped figure: two straight but oblique lines slanting down to the base from a common point at the top; these are bisected by a single horizontal line.

Third letter

A long vertical line is connected at two points – at the top and halfway down – to a curved, semi-circular line running to the right. From the centre intersection a sloping line drops to the baseline at an angle 45 degrees to the perpendicular, again to the right.

5. Complete the following sentences:

a) Lines may be or curved. lines may be divided into three groups: vertical, and

Pairs of lines may be divided into two groups: those which and those which are at all points, which are called lines.

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AC = BD. The diagonals are equal. AB = DC. The opposite sides are equal. AB//DC. The opposite sides are parallel.

Now complete these tables:

	Opposite sides equal	Opposite sides parallel	Diagonals bisect each other		Diagonals intersect at right angles	Diagonals equal
Square	1	1	<i>✓</i>	1	1	1
Rhombus	1					
Parallelogram				·······		
Trapezium		····	·			
Regular hexagon	· · · · · · · · · · · · · · · · · · ·					

	Angles equal	Sides equal	Areas equal
Congruent figures			*
Similar figures	······		

18. PUZZLE

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a) Divide this triangle into three figures with equal areas, using two straight lines.

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b) Divide this figure into: i) two congruent figures

ii) three congruent figuresiii) four congruent figures



Polygons (4:13)

http://learner.org/vod/vod_window.html?pid=1801

Listen to and watch the video and answer questions.

1)	What was discussed in the previous lesson?
2)	What is the aim of this lesson?
3)	What is a polygon?
4)	What was wrong with the first definition of a polygon?
5)	What does it mean "polygons are closed"?
6)	Why is a circle not a polygon?
•	What is wrong with two other shapes?
8)	Why is \overline{X} not a polygon?

Look at these pictures and decide whether the shapes are polygons or not. Try to explain why.

