

Remember!

When using words to describe sets, we must be able to correctly list all the elements of the set using the description.

ON YOUR OWN:

Using curly brackets, list all the elements of the following sets:

- I. $T = \{\text{the first four even numbers}\}$ _____
- II. $X = \{\text{primary colours}\}$ _____
- III. $Y = \{\text{polygons with no more than six sides}\}$ _____
- IV. $R = \{\text{natural numbers between 9 and 18}\}$ _____
- V. $H = \{\text{main groups of vertebrates}\}$ _____
- VI. $W = \{\text{whole numbers less than 25 divisible by 4}\}$ _____

Write a description for the following sets:

- I. $B = \{1, 2, 3, 6\}$ _____
- II. $D = \{\text{September, April, June, November}\}$

- III. $J = \{\text{square, rectangle, parallelogram, rhombus, trapezium}\}$

- IV. $K = \{10, 15, 20, 25\}$ _____
- V. $L = \{\text{Asia, Africa, North America, South America, Europe, Australia, Antarctica}\}$

HOMWORK

Complete the following table:

SETS	DESCRIPTION
$W = \{2, 4, 6, 8, 10\}$	
	$Y = \{\text{prime numbers less than } 12\}$
$Z = \{\text{January, June, July}\}$	
$P = \{a, e, i, o, u\}$	
$Q = \{\text{Tuesday, Thursday}\}$	
	$S = \{\text{natural numbers up to } 30 \text{ and divisible by } 5\}$
$D = \{\text{violet, indigo, blue, green, yellow, orange, red}\}$	