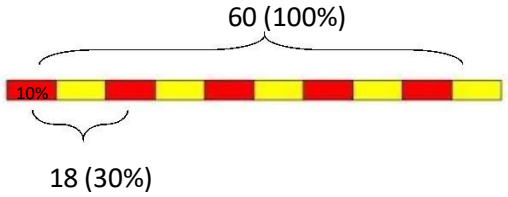
KIRF: I can find a percentage of an amount.

6 – Spring 2

Children use known fractional equivalences to find percentages of amounts. They will be able to recall how to find common percentages instantly.

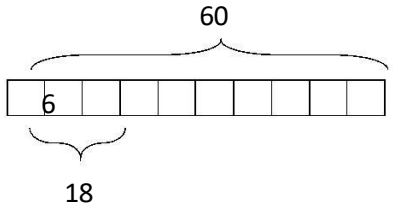
What can this look like?

Concrete:



Pictorial:

30% of 60 =



Abstract:

10% of 60 = 6

60 ÷ 10 = 6

30% of 60 = 18

6 × 3 = 18

30% of 60= 18

Questions to ask at home

How do you find 30% of 50? 50 ÷ 10 = 5

5 x 3 = 13

Complete the sentence- to find 10% you ….. divide by 10

How many ways can you calculate 60% of 30? (see answer on back of sheet)

Is 20% of 60 the same as 60% of 20? (see back of sheet)

Key vocabulary

Equivalent- Have the same value.

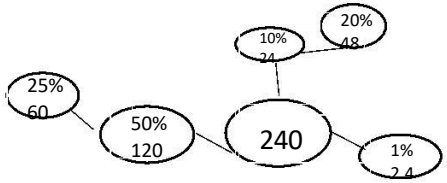
Per cent- Parts per 100. It shows the ratio 'out of 100'.

Things to try

Bargain buys: go shopping and look for offers, can you calculate the price of the item after the discount?

Benchmark percentages: the benchmark percentages are 1%, 10% and 50%. Explain how you find them. To find …..% you divide by ……..

Percentage webs: create a web to show how you can use the benchmark percentages to calculate other percentage of amounts



Websites:

https://www.geogebra.org/m/nZtrNgWq

https://www.bbc.co.uk/bitesize/articles/zvxnv82

https://whiterosemaths.com/homelearning/year-6/spring-week-4-number-percentages-2/

How many ways can you calculate 60% of 30?

60 ÷ 10 = 6 6 x 3 = 18

Find 50% of 30 (÷2) = 15 Find 10% of 30 (÷10) = 3 15 + 3 = 18

Is 20% of 60 the same as 60% of 20? yes

60 ÷ 10 = 6 6 x 2 = 12

20 ÷ 10 = 2 2 x 6 = 12