

Mrs Lopes Year 5 Homework – Friday 10th May 2019

Vocabulary – What do these words mean? Can you define them?

Percentage Increase Decrease Equivalent

Mental Activity – Write these in order, largest to smallest

1) 15%	0.4	$\frac{1}{4}$	$\frac{3}{5}$	0.04	$\frac{1}{10}$
2) 0.05	$\frac{1}{2}$	25%	$\frac{5}{100}$	0.025	$\frac{1}{5}$
3) $\frac{2}{3}$	0.6	62%	0.06	$\frac{6}{1000}$	$\frac{5}{6}$

To be able to solve worded problems involving percentage of an amount

4) A swimmer swims 800m every morning. She swims the first 50% of the distance on her front, then 25% of the remaining distance on her back, before finishing on her front. How far does she swim on her back?

5) 3000 people attend a football match. 25% of the crowd are children. 10% of the children are under five years old. How many children under five years old are in the crowd?

6) Some children hold a bake sale for a local charity and raise £90. 10% comes from selling biscuits. 50% of the remaining money comes from selling fairy cakes. How much money is made from selling fairy cakes?

7) A zoo had 35 penguins in 2017. In 2018, the number of penguins increased by 20%. How many more penguins were there in 2018?

8) A school raises £468 for their chosen charity by dressing up. The money raised is increased by 42% by holding a cake sale. The head teacher makes the total sum to £700. How much does the head teacher donate?

Times Table Challenge

Time taken to complete:

x	12	3	5	6	8	7	4	11	10	2	1	9
6												
7												
8												
9												

Use: RUCSAC

Read, Understand, Calculate, Solve,
Answer, Check

To find 10%, divide by 10

To find 20%, divide by 10 multiply by 2

To find 25% divide by 4

To find 75% divide by 4 then x by 3

To find 5%, divide by 10 then divide by 2 or $\frac{1}{2}$ it

To find 1%, divide by 100

OR

Divide by 100 and then multiply by amount

Eg: 43% of 120 = $120 \div 100 = 1.2 \times 43 = 51.6$

Due in Wednesday 15th May - please see me before this if you have any problems