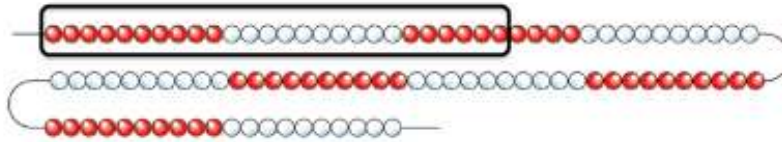**Year 5 Maths**

Steppingstone activity

Summer week 2 Lesson 5– 01.05.20

LO: understanding percentage, decimal and fraction equivalents.

Success Criteria:

1. Count how many beads are circled.
2. Write this as a fraction out of 100.
3. Now convert that to a decimal remembering your place value.
4. Now write as a %.

Model

26 out of 100 beads are circled.

$\frac{26}{100}$ of the bead string is circled = 0.26 = 26%

I whole = 100%	
$\frac{1}{2}$ = 50%	$\frac{1}{2}$ = 50%

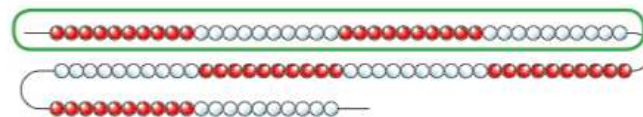| I whole = 100%				
$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%

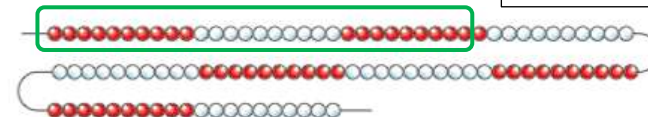| I whole = 100%				
$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%	$\frac{1}{5}$ = 20%

What is $\frac{3}{5}$ as a percentage?   60%

Now complete these:

29/100   0.29   29%

a) **What fraction is circled?**
b) **Write the fraction as a decimal**
c) **Write the decimal as a %**

Rosie makes a number on a 100 bead string.

40/100   0.40   40%
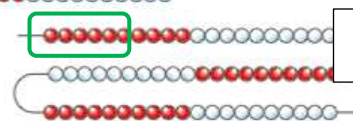
| 6/100   0.06   67% |
|---|

Year 5 Maths

Summer week 2 Lesson 5– 01.05.20
LO: understanding percentage, decimal and fraction equivalents.

Success Criteria:

1. Look at the hundred square – how many are shaded? Write this as a fraction with the denominator 100.
2. Convert the fraction into 10th's by dividing the numerator and denominator by 10 – write as a decimal.
3. Now convert this to a percentage.

Model:
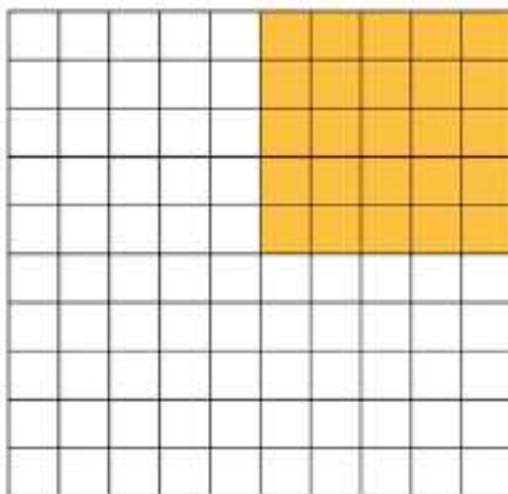
$\frac{1}{4}$ of the grid is shaded.

$\frac{1}{4} = 25\% = \frac{25}{100} = \frac{250}{1000}$

I whole = 100%	
$\frac{1}{2} = 50\%$	$\frac{1}{2} = 50\%$

I whole = 100%				
$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$

I whole = 100%				
$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$	$\frac{1}{5} = 20\%$

What is $\frac{3}{5}$ as a percentage?   60%

Summer week 2 Lesson 5– 01.05.20

LO: understanding percentage, decimal and fraction equivalents.

Complete as many as you can!

There are 30 children in Class 5

- $\frac{2}{5}$ have brown hair.
- 50% have blonde hair.

a) What percentage of children do **not** have brown or blonde hair?

10 %

b) What information did you **not** need to know to work out the answer?

The number of children.

Filip gets some money for his birthday.

He spends $\frac{2}{5}$ of his money and saves the rest.

What percentage does he save?

60 %

Jack has £55

He spends $\frac{3}{5}$ of his money on a coat and 30% on shoes.

How much does he have left?

£5.50

Use this fact to convert $\frac{1}{8}$ and $\frac{3}{8}$ to decimals.

$$\frac{1}{4} = 25\% = \frac{25}{100} = \frac{250}{1000}$$

$\frac{1}{8} =$ 0.125

$\frac{3}{8} =$ 0.375

Dora is doing a school survey.

She compares how many children wear glasses in Class 4 and Class 5

- $\frac{1}{5}$ of the children in Class 4 wear glasses.
- 25% of the children in Class 5 wear glasses.
- Both classes have the same number of children.

Which class has more children who wear glasses?   _class 5_

Explain your reasoning.

$\frac{1}{5} = 20\%$ _25% > 20%_