Week beginning: 25th of May   Class and Subject: Maths Ms. Landers SEN Teacher: Ms. Hogan

ST. PATRICK'S GIRLS NATIONAL SCHOOL
GARDINER'S HILL, CORK

Hi everyone,

This week we are learning about the percentages. By the end of this week we should be able to

Watch a video on how to do Wednesday's activity

https://youtu.be/NQtLhKtVmMg

- Write fraction as a decimal
- Write decimal as a fraction

Monday

What are percentages?

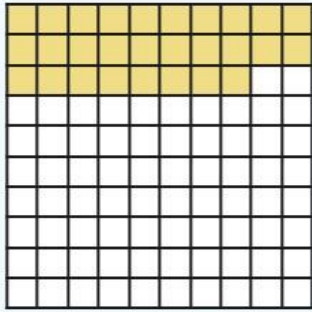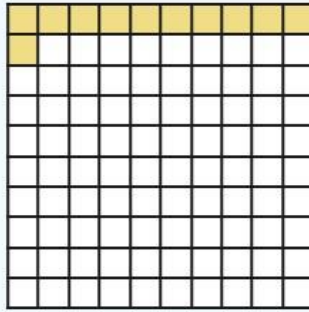- https://mathantics.com/lesson/what-are-percentages

If you can't click onto this video then type 'what are percentages maths antic' into YouTube

Out of a Hundred

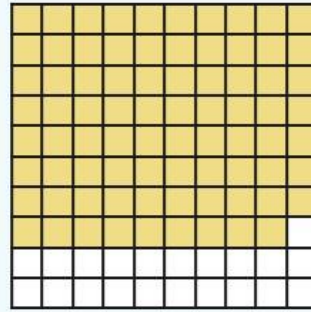Write the percentages represented by these:

28%   11%   79%

Create some percentage representations for a partner to write the percentage.

Hide Answers

Remember that — **of the block is** —

So — = — _____ %

Ans: 20%

Complete these:

$\dfrac{3}{10} = \dfrac{\quad}{100} =$ ___%

$\dfrac{4}{10} = \dfrac{\quad}{100}$ _____%

Complete Q1 &2 on page 89 of mathematic 5

Tuesday

Percentage, Fraction and Decimal

Work with a partner.

Partner One: Say a decimal to two decimal places, a percentage or a fraction as hundredths.

Partner Two: Say the equivalent fraction/decimal number/percentage.

E.g.

$\dfrac{29}{100}$ 0.29   29%

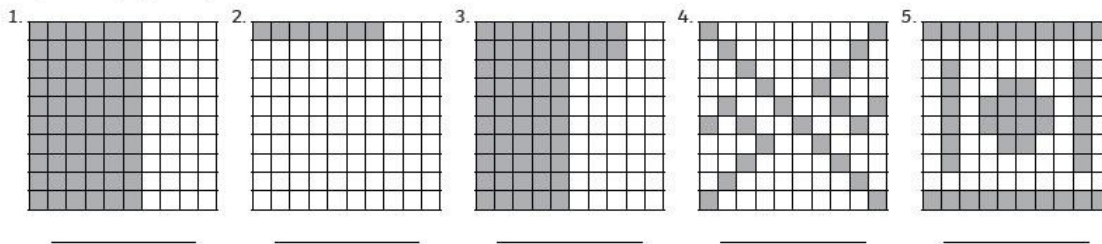Try writing, or saying and writing the fraction, percentage or decimal number.

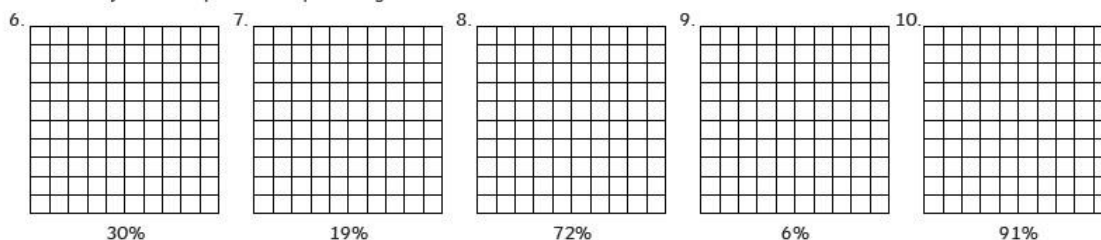Hide Answers

Percentage Colouring

I can recognise and write percentages.
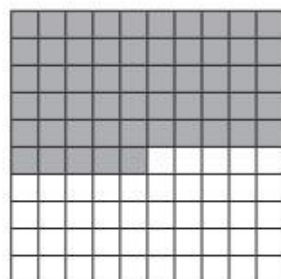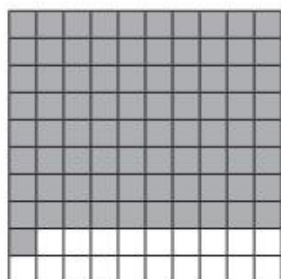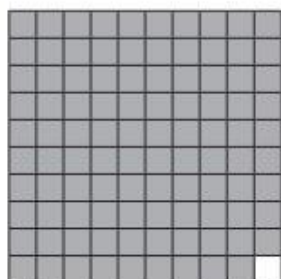
What percentage of each grid is coloured in?

1. _____
2. _____
3. _____
4. _____
5. _____

Colour in the squares to represent the percentages shown.

6.   7.   8.   9.   10.

30%   19%   72%   6%   91%

Visual Representations of Percentages

Aim: I can recognise a percentage relates to 'number of parts per hundred'.

Write the percentage represented by the following:
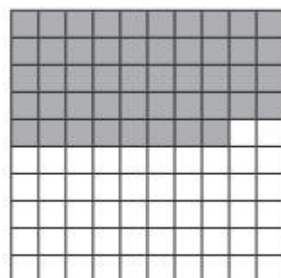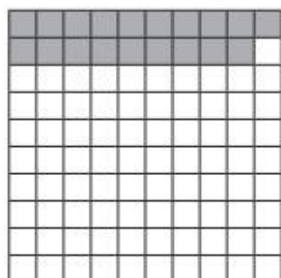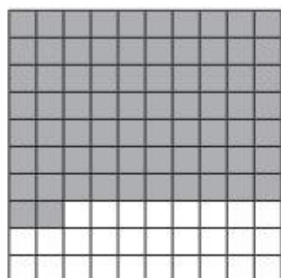
Wednesday

Watch this video

Example 1:

$$\frac{1}{5} = \frac{}{100}$$

How do we change $\frac{1}{5}$ to a percentage?

We need to change $\frac{1}{5}$ into an equivalent hundredth fraction. Multiply 5 by 20 to get 100. Remember if we multiply the bottom by 20 we must multiply the top by the same number. This is finding the equivalent fraction.

$$\frac{1}{5} = \frac{\times 20}{\times 20} = \frac{20}{100} = 20\%$$

On the bottom we multiply 5 by 20. Then multiplied 1 by 20 on the top.

Example 2:

$$\frac{4}{5} = \frac{80}{100} = 80\%$$

On the bottom we multiply 5 by 20. Then multiply 4 by 20 on the top.

Practice:

Mathemagic 5 page 92

Q 2

Answers:

1. 10%, 20%, 40%, 50%, 70%, 80%, 90%, 100%

2. (a) $^{60}/_{100} = 60\%$ (b) $^{80}/_{100} = 80\%$ (c) $^{20}/_{100} = 20\%$ (d) $^{40}/_{100} = 40\%$ (e) $^{60}/_{100} = 60\%$ (f) $^{80}/_{100} = 80\%$
   (g) $^{25}/_{100} = 25\%$ (h) $^{75}/_{100} = 75\%$ (i) $^{50}/_{100} = 50\%$ (j) $^{5}/_{100} = 5\%$ (k) $^{15}/_{100} = 15\%$ (l) $^{35}/_{100} = 35\%$

Thursday

Write these decimals as a percentage

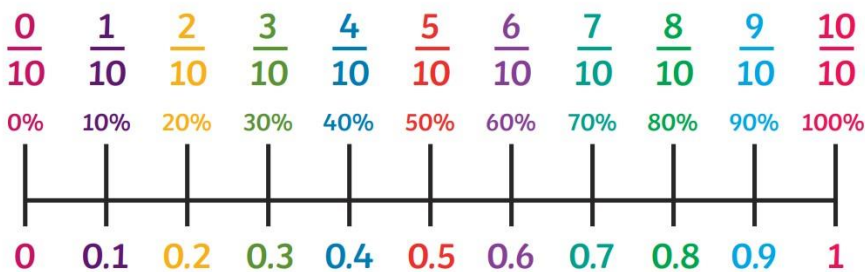a)   0.29 b) 0.55 c) 0.83 d) 0.4 e)0.8 f) 0.07 g) 0.05 h) 0.6

Example 0.2= 20%

0.02= 2 %

Write these percentages as decimals

a)   a)14% b) 36% c)69% d)6% e) 1% f)50% g) 10% h) 95%

Example: 25%= 0.25

0/10	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10
0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1

Friday:

The circle- revision

You may need to look back on notes from last week.

- *Draw a circle with radius 4 cm.*
- *Label the radius, diameter and circumference.*
- *Calculate the circumference using a calculator. Remember that circumference is diameter multiplied by 3.14.*
- *Send a photo of the labeled circle to learningsupport@stpatricksgirls.net*