Maths

Activity 1 – Watch the video on percentages and fractions and answer the questions below.

Activity 2 – Watch the video on converting percentages, fractions and decimals and have a go at the questions below.

Maths Skills Practise:
Daily Challenge:

JUNE MATHS MASTERS

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 What number is represented here: MCCXII?	2 What is double 357? Can you work it out 2 ways?	3 What is 765,551 rounded to the nearest 1000?	4 Is 43 x 10 the same as 4300 ÷ 100? Why?	5 If x – 57 = 35 + 76, what is the value of x?	6 What's missing in this sequence: 3, 6, 10, 15, __, 28. How do you know?	7 What is 13,563 rounded to the nearest 100? What is the rule?
8 How many degrees in a complete turn?	9 What is 10.7 – 4.9? How did you work it out?	10 If y = 37, what is the value of x in 'y + 67 = x'?	11 One third of a number is 59, what was the number?	12 Which number is bigger: 267676 or 276767? Describe how you know.	13 Calculate 4 x 17 + 4.	14 List all the prime numbers between 30 and 60.
15 (6 x 5) + 6 = 30. Is this right? Why?	16 What is three and two thirds plus two thirds?	17 What is 10 x 13? What other calculations would give you the same answer?	18 What is 4.04 + 2.07 + 9?	19 Put these numbers in descending order: 7543, 3457, 7453, 4753, 5743.	20 How many grams in 4.7kg? How do you know?	21 What time is 22:05 in words? Can you draw it on a clock face?
22 What is today's date in Roman Numerals?	23 What are the properties of a triangular prism? Can you draw one?	24 How many ml in 5.43l?	25 Which fraction is bigger: 3/5 or 40/100? How do you know?	26 Can you draw a regular and an irregular hexagon?	27 Jake says, "If y+7= 5, then y must be 2." Is he right? How do you know?	28 What is 14.3 - 1.7 + 5.2?
29 Joshua says, "the area of my shape is 32cm so the perimeter **must** be 24cm". Do you agree?	30 TRICKY QUESTION: How many minutes in a normal school week?					

Have fun doing a Maths question a day! Challenge yourself to talk to the people at home and show off what you know!

Reasoning & Problem Solving
Try any of the challenges on this website:
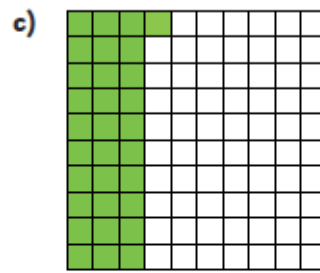http://www.iseemaths.com/lessons56/

Activity 1 – Percentages

Number the representations of percentages below from smallest to largest.

a)

b)   3%

c)

d)   34 parts per 100

At the bake sale, the children made 100 of each item to sell. Complete the table.

	Number sold	Percentage	Number left
Chocolate buns			14
Flapjack		53%	
Gingerbread	91 out of 100		

Match the fraction and the percentage

25%   33%   92%   76%

$\dfrac{76}{100}$ $\dfrac{92}{100}$ $\dfrac{25}{100}$ $\dfrac{33}{100}$

Activity 2 – Fractions, Decimals and Percentages

Complete the table

Percentage	Fraction	Decimal
26%		
		0.33
	$\frac{56}{100}$	
		0.04
72%		

Use >, < or = to make these correct

32% 〇 0.56 　 〇 $\frac{73}{100}$

0.07 〇 $\frac{70}{100}$ 　 〇 17%

Luke says, '0.02 is the same as 20%.' Do you agree? Explain your reasons

Challenge:
Progress through the levels on this game: https://nrich.maths.org/1249