

MATHEMATICS 18th MAY to 21ST MAY 2020

Monday May 18th

Converting between fractions, decimals and percentages

The following have videos you can view on [mathswatchvle](https://www.mathswatchvle.com) if you need support

ALL INTERNET LINKS/ACTIVITIES (ESPECIALLY YOUTUBE) MUST BE MONITORED BY A PARENT OR RESPONSIBLE ADULT.

N32 Decimals, Fractions and Percentages

1) Complete the tables.

a)

Fraction	Decimal	Percentage
		50%
	0.25	
$\frac{1}{10}$		
$\frac{1}{3}$		
	0.7	
		40%

b)

Fraction	Decimal	Percentage
$\frac{68}{100}$		
		35%
	0.6	
	$0.\dot{6}$	
		5%
$\frac{13}{50}$		

Nathan carried out a survey in the class to find out students' favourite subject. 0.32 of the class answered maths. What percentage of the class is this?

Use the information given to complete the table

Fraction	Decimal	Percentage
$\frac{1}{8}$	0.125	12.5%
$\frac{2}{8}$		
$\frac{3}{8}$		
$\frac{4}{8}$		
$\frac{5}{8}$		
$\frac{6}{8}$		
$\frac{7}{8}$		

Tuesday May 19th

Finding fractions of given amounts/numbers

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Remember: Divide the number by the denominator (bottom) and multiply the answer by the numerator (top).

1) Find the following:

a) $\frac{1}{3}$ of 24

b) $\frac{2}{3}$ of 24

c) $\frac{1}{5}$ of 30

d) $\frac{3}{5}$ of 30

e) $\frac{1}{8}$ of 40

f) $\frac{5}{8}$ of 40

2) Work out:

a) $\frac{7}{10}$ of £30

b) $\frac{3}{7}$ of £84

c) $\frac{4}{5}$ of £1.50

d) $\frac{11}{20}$ of £19

e) $\frac{2}{9}$ of £10.98

f) $\frac{8}{13}$ of £31.85

Julie has £4.50 pocket money every week.

If she spends $\frac{2}{5}$ of it on a magazine and $\frac{1}{3}$ of it on a dance lesson, how much of the pocket money does she have left?

Wednesday May 20th

Finding percentages of amounts

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1. 50% of 120 =
2. 25% of £160 =
3. 75% of 500 =
4. 1% of 250 =
5. 10% of 190 =
6. 30% of 230 =
7. 5% of £90 =
8. 2% of 20 =

Jamie received £26 pocket money last week. He spent it as follows:

10% on sweets

25% on magazines

15% on games

How much did Jamie have left? Show your working.

Thursday May 21st

Solve problems involving fractions and percentages

There are 60 beads in a bag. The beads are red, yellow or blue.

40% of the beads are blue.

$\frac{5}{12}$ of the beads are red.

How many beads are yellow?

2. In the sale, jumpers are on the offer "buy 2, save $\frac{1}{3}$ of the price". Jeans are also currently 30% off.

Jumpers cost £45 each. Jeans cost £50.

What is the cost of buying 2 jumpers and 2 pairs of jeans?

3. Hats are worn by 85% of the ladies at a wedding. What percentage did not wear hats?

4. When Borghull Community Academy is full there are 150 pupils. Today, though, 30% of the pupils are away ill. How many children are in school?

5. Breath of the Wild on the Nintendo Switch normally sells for £52.00 but has been reduced by 20%. What is its new cost?

