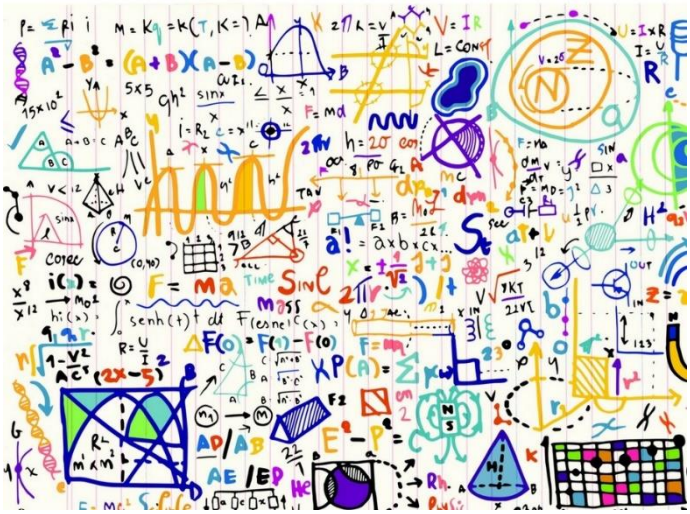


Year 6 Maths Home Learning

Week two includes:

- 5 a day – one for each school day (set a timer for between 3 and 5 minutes)
- Maths I do you do – read the power point (40 minutes)
- Practice questions (60 minutes)
- Evidence questions (60 minutes)
- Extension questions – are you up for a challenge? (as long as it takes!)

Week 2 Day 1

1. 847 - 100 =

2. ☐ = 375 + 789

3. 85 ÷ 5 =

4. 37 × 6 =

5. 383.49 – 74.84 =

Week 2 Day 2

1. 827 ÷ 1 =

2. ☐ = 462 - 284

3. 144 ÷ 9 =

4. 27 × 36 =

5. 384.48 + 85.47 =

Week 2 Day 3

1. 407 × 1 =

2. ☐ = 48 × 36

3. 486 ÷ 3 =

4. 100 × 638 =

5. 5 – 1.15 =

Week 2 Day 4

1. 74 473 + 19 054 =

2. ☐ = 264 ÷ 11

3. 85 × 5 =

4. 37.5 – 12.35 =

383.4 × 0 =

Week 2 Day 5

1. 50 × 30 =

2. ☐ = 34 034 -7

3. 8.004 + 3.15 =

4. 483 ÷ 3 =

5. 383.49 – 74.84 =

Practice questions

1 Match the equivalent fractions to the percentages.

$\frac{1}{2}$	25%
$\frac{1}{100}$	1%
$\frac{1}{10}$	50%
$\frac{1}{4}$	10%

Match the fractions to their equivalent decimals and percentages

$\frac{15}{100}$	0.05	5%
$\frac{1}{20}$	0.5	15%
$\frac{1}{5}$	0.2	50%
$\frac{1}{2}$	0.15	20%

1 Write <, > or = to complete the statements.

a) 64% ◯ 0.46

b) 0.96 ◯ $\frac{97}{100}$

c) $\frac{3}{5}$ ◯ 35%

d) 0.8 ◯ 80%

e) 67% ◯ $\frac{7}{10}$

f) $\frac{7}{20}$ ◯ 0.3

3 Write the fractions, decimals and percentages in ascending order.

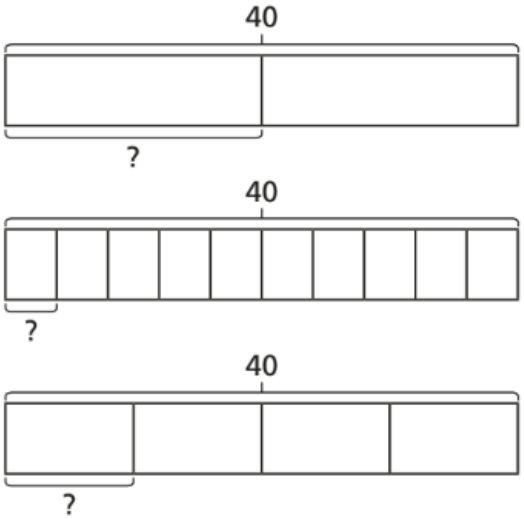
a) $\frac{7}{10}$ $\frac{13}{100}$ 21% 0.9

_____

b) 0.6 61% $\frac{37}{50}$ 0.66

_____

2 Match each bar model to the statement it represents.



10% of 40

25% of 40

50% of 40

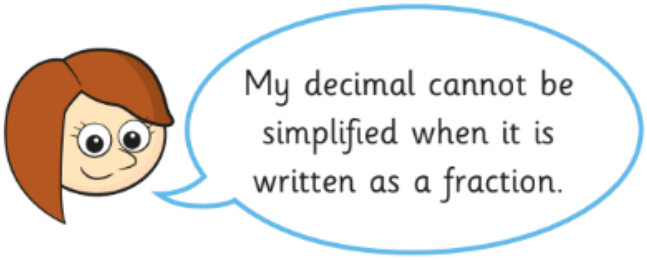
Convert 32% into a fraction and a decimal

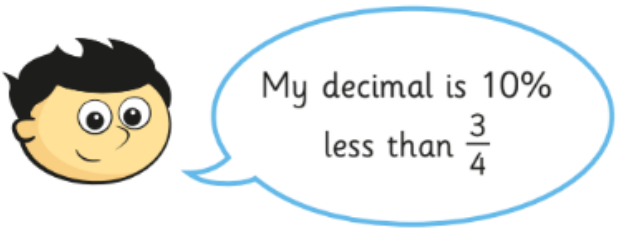
Convert 7/20 to a decimal and percentage

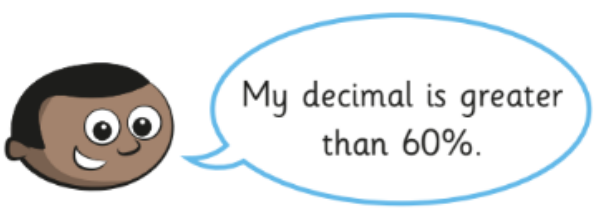
Evidence questions

Fraction	Decimal	Percentage
	0.21	
		12%
$\frac{2}{10}$		
	0.4	
	0.44	
		4%
$\frac{3}{4}$		
	0.99	

6 Match the decimal cards to the people.







0.65

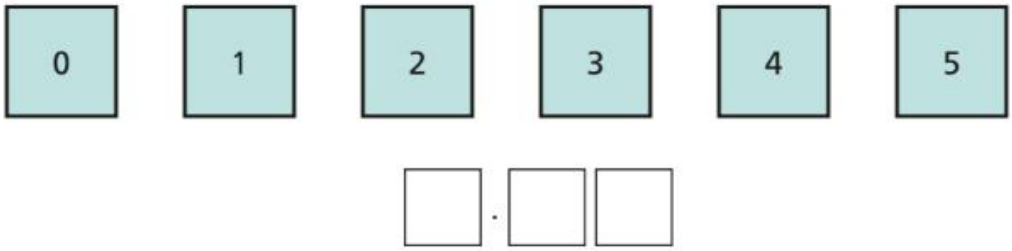
0.57

0.61

0.6

7 Use the digit cards to write a decimal greater than $\frac{1}{5}$ but less than 40%.

You may not use a card more than once in each number.



How many other answers can you find?

4 These fractions, decimals and percentages are in descending order.

99% $\frac{89}{100}$ 0.7 [ ] 0.5 49%

Tick the fractions, decimals and percentages that could fill the gap.

☐ 0.78 ☐ 51% ☐ $\frac{3}{5}$ ☐ 0.6 ☐ $\frac{4}{10}$

5 Tommy scored $\frac{40}{50}$ on a Maths test.

Aisha got 78% of the test correct.

Aisha thinks she has done better because 78 is greater than 40

Do you agree with Aisha? _____

Explain your answer.

6 Huan, Nijah and Scott each started with a 1-litre bottle of juice.

Huan drank 0.55 litres.

Nijah drank 59% of her juice.

Scott has $\frac{4}{10}$ of his juice left.

Who drank the most? Show your working.

_____ drank the most.

Who drank the least? Show your working.

_____ drank the least.

5 Workers in a toy factory aim to pack 2,560 boxes each day.

At 10:00 am they have completed 25% of their target.

a) How many boxes have they packed? ☐

By midday they have packed 50% of their target.

At 2:00 pm they have packed another 10% of their target.

b) How many more boxes do they need to pack to meet the daily target?

They need to pack ☐ more boxes.

Extension questions

6 Follow the steps to find a way through the maze.