Answers 5 a day

Week 2 Day 1

1. 847 - 100 = 747

2. 1164 = 375 + 789

3. 85 ÷ 5 = 17

4. 37 × 6 = 222

5. 383.49 – 74.84 = 308.65

Week 2 Day 2

1. 827 ÷ 1 = 827

2. 178 = 462 - 284

3. 144 ÷ 9 = 16

4. 27 × 36 = 972

5. 384.48 + 85.47 = 469.95

Week 2 Day 3

1. 407 × 1 = **407**

2. **1728** = 48 × 36

3. 486 ÷ 3 = **162**

4. 100 × 638 = **63 800**

5. 5 – 1.15 = **3.85**

Week 2 Day 4

1. 74 473 + 19 054 = **93 527**

2. **24** = 264 ÷ 11

3. 85 × 5 = **425**

4. 37.5 – 12.35 = **25.15**

383.4 × 0 = **0**

Week 2 Day 5

1. $50 \times 30 = \mathbf{1500}$

2. $\boxed{34027} = 34\,034 - 789$

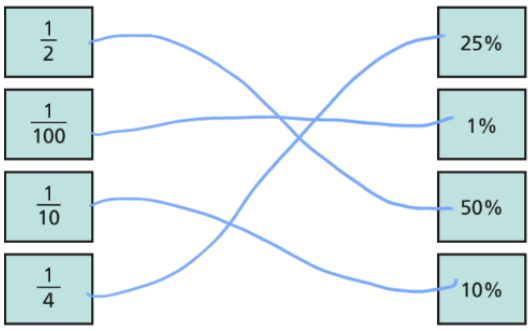
3. $8.004 + 3.15 = \mathbf{11.154}$

4. $483 \div 3 = \mathbf{161}$

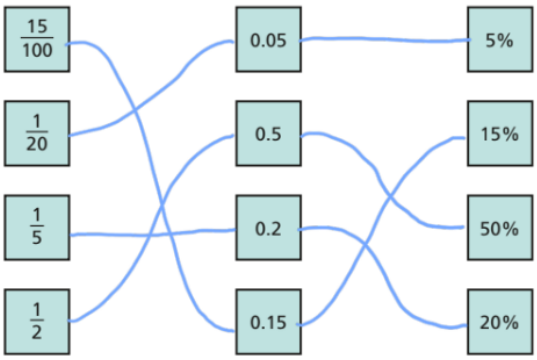
5. $383.49 - 74.84 = \mathbf{308.65}$

Practice answers

1 Match the equivalent fractions to the percentages.



2 Match the equivalent fractions, decimals and percentages.



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.

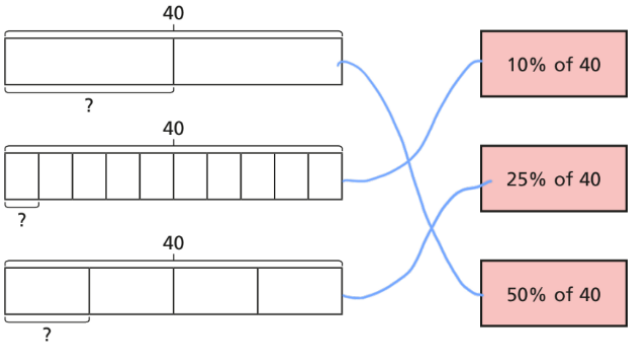
a) $\frac{7}{10}$ $\frac{13}{100}$ 21% 0.9

$\frac{13}{100}$, 21%, $\frac{7}{10}$, 0·9

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

0·6, 61%, 0·66, $\frac{37}{50}$

2 Match each bar model to the statement it represents.



Convert 32% into a fraction and a decimal

32/100 = 16/50 = 8/25 and 0.32

Convert 7/20 to a decimal and percentage

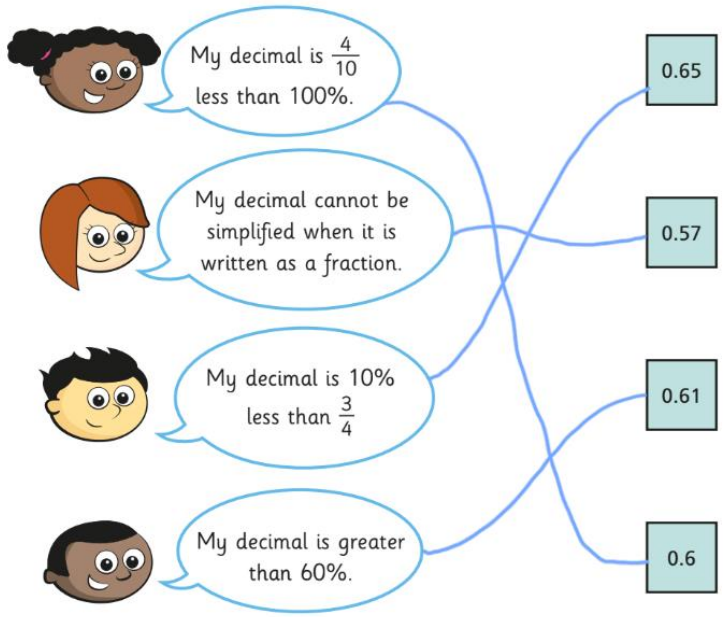
7/20 = 35/100 so we have 0.35 and 35%

Evidence answers

4 Complete the table.

Fraction	Decimal	Percentage
$\frac{21}{100}$	0.21	21%
$\frac{3}{25}$	0.12	12%
$\frac{2}{10}$	0.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{11}{25}$	0.44	44%
$\frac{1}{25}$	0.04	4%
$\frac{3}{4}$	0.75	75%
$\frac{99}{100}$	0.99	99%

6 Match the decimal cards to the people.



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.

0	1	2	3	4	5

Eg. 0.24

How many other answers can you find?

Or 0.21, 0.23, 0.25, 0.31, 0.32, 0.34, 0.35

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? No

Explain your answer.

$\frac{40}{50}$ = 80% and 80% > 78% so Tommy did better.

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.

Scott drank the most.

Who drank the least? Show your working.

Huan 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? 640

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 384 more boxes.

Extension answer

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