Review 8

1
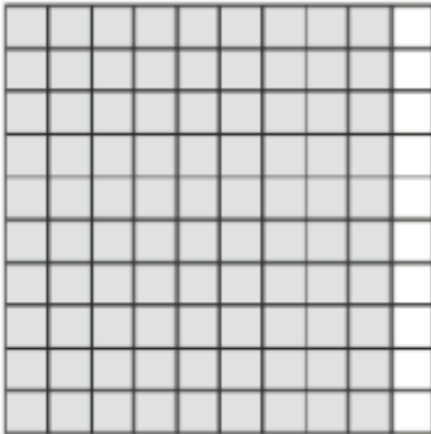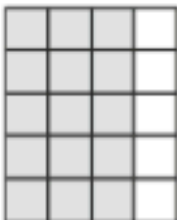

(a) What fraction of the figure is shaded?

$\dfrac{90}{100}$

(b) What percentage of the figure is shaded?

90%

2

(a) What fraction of the figure is shaded?

$\dfrac{15}{20}$

(b) What percentage of the figure is shaded?

75%

3 🧑 collects stamps. He has 100 stamps of which 35 are local and the rest are from other countries.

(a) What percentage of 🧑 ' stamps are local?

35%

(b) What percentage of 🧑 ' stamps are from other countries?

65%

4 This table shows the number of points 🧑 scored at three different levels of a game.

Level	Total number of points available	Number of points Sam scored
8	250	75
9	300	210
10	90	45

At which level was 🧑 's success rate the best?

Level 9

Three children have each read 360 pages of their own book.

Ron's book has 500 pages.
Dora's book has 400 pages.
Eva's book has 600 pages.

What fraction of their books have they each read?

What percentage of their books have they read?

How much of their books have they each read as a decimal?

Who has read the most of their book?

Sort the fractions, decimals and percentages into the correct column.

50%	100%	$\frac{30}{60}$
Seven tenths	60%	0.25
70 hundredths	$\frac{1}{4}$	7%

Less than $\frac{1}{2}$	Equal to $\frac{1}{2}$	Greater than $\frac{1}{2}$

Jack has £55

He spends $\frac{3}{5}$ of his money on a coat and 30% on shoes.

How much does he have left?

Tommy is playing a maths game.
Here are his scores at three different levels.

Level A – 440 points out of 550

Level B – 210 points out of 300

Level C – 45 points out of 90

At which level did he have a higher success rate?

Sort the fractions, decimals and percentages into the correct column.

50%   100% $\frac{30}{60}$

Seven tenths   60%   0.25

70 hundredths $\frac{1}{4}$ 7%

Less than $\frac{1}{2}$	Equal to $\frac{1}{2}$	Greater than $\frac{1}{2}$

Less than $\frac{1}{2}$:
$\frac{1}{4}$, 0.25, 7%

Equal to $\frac{1}{2}$:
50% and $\frac{30}{60}$

Greater than $\frac{1}{2}$:
Seven tenths, 70 hundredths, 60% and 100%

Three children have each read 360 pages of their own book.	Ron has read $\frac{360}{500}$, 72% or 0.72
Ron's book has 500 pages. Dora's book has 400 pages. Eva's book has 600 pages.	Dora has read $\frac{360}{400}$, 90% or 0.9
What fraction of their books have they each read?	Eva has read $\frac{360}{600}$, 60% or 0.6
What percentage of their books have they read?	Dora has read the most of her book.
How much of their books have they each read as a decimal?	
Who has read the most of their book?	

Jack has £55 He spends $\frac{3}{5}$ of his money on a coat and 30% on shoes. How much does he have left?	£5.50
Tommy is playing a maths game. Here are his scores at three different levels. Level A – 440 points out of 550 Level B – 210 points out of 300 Level C – 45 points out of 90 At which level did he have a higher success rate?	Level A: 80% Level B: 70% Level C: 50% Tommy had a higher success rate on level A. Children may wish to compare using decimals instead.