1) a) 73 parts per 100 shaded

$$= 4\% = \frac{4}{100} = 0.04$$



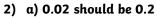
2) The decimal 0.6 is the odd one out because 0.6 is equivalent to 60%. The other amounts are all equivalent to 6%.

3) a) True.

b) False, 2% is not greater than 0.1.

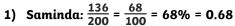
4)	Fraction	Fraction with a denominator of 100	Percentage	Decimal
	<u>20</u> 50	40 100	40 %	0.4
	12 50 =	<u>24</u> 100	24%	0.24
	<u>20</u> 200	= <u>10</u> 100	10%	0.1 or 0.10
	90 200	= 45 100	45%	0.45

- 1) a) Keeva is thinking of a percentage between 60%-80%.
 - b) Dilek is thinking of a percentage between 30%-35%.
 - c) Adam is thinking of a percentage between 4%-7%.



b)
$$\frac{1}{100}$$
 should be $\frac{10}{100}$

- c) All amounts are equal in this statement.
- 3) a) Parminder is incorrect. As 0.5 = 50% there would need to be an amount between 50-60% coloured in for Parminder's statement to be accurate and there is actually 40% of the squares coloured in.
 - b) Alfie is incorrect. As 0.06 = 6% then 6% + 40% = 46% not 100%.
 - c) Robert is incorrect. The fraction of the 100 square coloured in is $\frac{100}{100}$, which is equivalent to $\frac{30}{200}$.



Emily:
$$\frac{280}{400} = \frac{70}{100} = 70\% = 0.7$$

Harry: $\frac{180}{300} = \frac{60}{100} = 60\% = 0.6$

Harry:
$$\frac{180}{300} = \frac{60}{100} = 60\% = 0.6$$



Emily has completed the greatest proportion of the journey. She has 0.3 of her journey remaining.

2) A variety of answers are possible. Example answers shown.

0.01-0.3	35%-55%	0.6-0.9
$\frac{20}{100}$ = 0.2	$\frac{20}{50} = \frac{40}{100} = 40\%$	$\frac{160}{200} = \frac{80}{100} = 0.8$
$\frac{1}{100} = 0.01$	$\frac{45}{100}$ = 45%	$\frac{180}{300} = \frac{60}{100} = 0.6$
$\frac{5}{50} = \frac{10}{100} = 0.1$	$\frac{100}{200} = \frac{50}{100} = 50\%$	$\frac{280}{400} = \frac{70}{100} = 0.7$

3) Marie is wrong because the fraction simplifies to 0.98 and this is too large for the 0.6-0.9 column.



