1) Which bar model has the greater amount shaded?
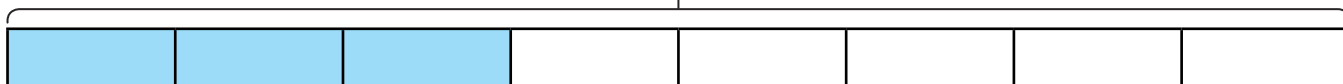How much more is shaded?
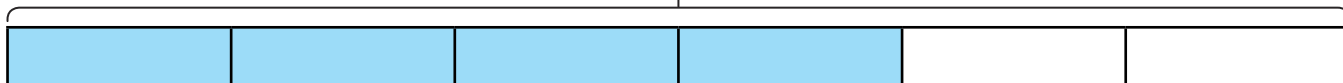
1.92m

A

1.68m

B

2) Find the following fractions of amounts. Remember to give the unit of measurement in your answers.

$\frac{8}{20}$ of 2m =	$\frac{2}{5}$ of 4km =	$\frac{9}{50}$ of 3l =	$\frac{6}{9}$ of 3.6kg =

3) At the school sports day, the Green team won $\frac{1}{5}$ of the points, the Blue team won $\frac{2}{6}$ of the points and the Yellow team won $\frac{7}{15}$ of the points. There were 60 points awarded in total. How many more points did the green and blue teams win combined than the yellow team?
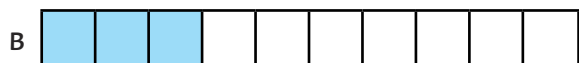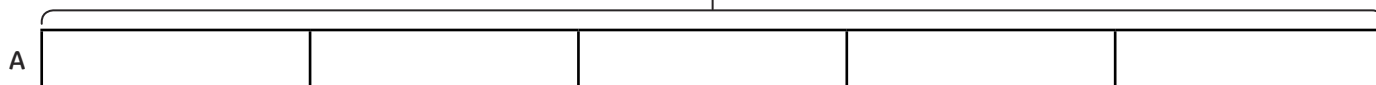
1) Is the statement below true or false?

The shaded part of bar model B has a value of 190m.

Remember to justify your answer fully.

1.5km

A

B

_____

_____

_____

2) Is the statement below true or false?

$\frac{2}{3}$ of £1368 > $\frac{3}{5}$ of £1755 < $\frac{5}{6}$ of £1140

Remember to justify your answer fully.

1) Give the missing numbers in each of these calculations:

$\frac{\square}{6}$ of 3m = $\frac{1}{4}$ of 10m	$\frac{\square}{8}$ of 0.4l = $\frac{1}{2}$ of 0.7l	$\frac{1}{\square}$ of £30 = $\frac{1}{8}$ of £24

$\frac{3}{\square}$ of 42 = $\frac{2}{3}$ of 27	$\frac{4}{5}$ of 60 = $\frac{8}{\square}$ of 72	$\frac{1}{2}$ of 0.8kg = $\frac{2}{\square}$ of 2kg

2) A farmer is planting four different fruit crops - strawberries, raspberries, blackberries and cherries - on some of his fields. Each field has an area of 800m². He wants to make sure that each crop takes up a whole number of metres squared.

Using your knowledge of fractions, show the farmer five different possibilities for splitting up his differently sized fields and then show how many metres squared each of his crops would take up.

Can you use a fraction with a different denominator for each section?