N5 Applications of Mathematics   Fractions and Number Work

A basic cookie dough mix requires butter, sugar, flour and chocolate chips.

- $\dfrac{1}{6}$ of the mix is butter

- $\dfrac{1}{3}$ of the mix is sugar

- $\dfrac{1}{4}$ of the mix is chocolate chips

- The rest of the mix is flour

Calculate the fraction of the mix that is flour.

3

Ans.

$$\frac{3}{12} = \frac{1}{4}$$

2

Write the following values in order from greatest to least.

$$0 \cdot 388, \ \frac{3}{8}, \ 38 \cdot 38\%, \ 0 \cdot 39$$

Justify your answer.

Ans.

$$0 \cdot 39, \ 0 \cdot 388, \ 38 \cdot 38\%, \ \frac{3}{8}$$

Carol knows that she can travel 280 miles on a full tank of fuel. She is making a trip of 110 miles.

The diagram below shows the car's fuel gauge

Full

Empty

Does she have enough fuel to make the journey?

Show working to justify your answer. 2

Tom thinks that the answer to the following calculation is 8·7.

$$27{\cdot}2 - 4{\cdot}6 \times 3 + 4{\cdot}7$$

Is Tom correct?

Use your working to justify your answer. 2