

Number - Proportion Recipes

Here are the ingredients for making cheese pie for 6 people.

<p>Cheese pie for 6 people</p> <p>180 g flour</p> <p>240 g cheese</p> <p>80 g butter</p> <p>4 eggs</p> <p>160 ml milk</p>

Bill makes a cheese pie for 3 people.

(a) Work out how much flour he needs.

..... g
(2)

Jenny makes a cheese pie for 15 people.

(b) Work out how much milk she needs.

..... ml
(2)

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240 g cheese
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4 eggs
160 ml milk

Bill makes a cheese pie for 3 people.

(a) Work out how much flour he needs.

3 people is half of 6 people so we need to halve quantities

$$\frac{180}{2} = 90 \text{ g of flour}$$

$$\begin{array}{r} 90 \\ \hline \text{g} \\ (2) \end{array}$$

Jenny makes a cheese pie for 15 people.

(b) Work out how much milk she needs.

15 is $2\frac{1}{2} \times 6$ so multiply quantities by $2\frac{1}{2}$

$$\begin{array}{r} 160 \\ 160 \\ \hline 280 + \\ \hline 400 \text{ ml of milk} \end{array}$$

$$\begin{array}{r} 400 \\ \hline \text{ml} \\ (2) \end{array}$$