



Simple Proportion

1. Chocolate bars are sold in packs of 6 bars. Calculate the number of chocolate bars in 3 packs.
2. Oranges are sold in nets of 4 oranges. Calculate the number of oranges in 5 nets.
3. Exercise books are sold in boxes of 12 books. Calculate the number of books in 9 boxes.
4. Chocolate bars are sold in packs of 6 bars. Casey has 24 chocolate bats. How many packs did she buy?
5. Oranges are sold in nets of 4 oranges. Kamil has 36 oranges. How many nets did he buy?
6. Exercise books are sold in boxes of 12 books. Ms Hill has 132 books. How many boxes did she order?
7. Complete the table to show the ingredients required to bake the given number of Welsh cakes:

	Example	a.	b.	c.
Number of Cakes	8	16	2	
Flour (g)	110			385
Butter (g)	25			
Caster Sugar (g)	40			
Currants (g)	30			
Eggs	$\frac{1}{2}$			

- d. Daffid wants to make 40 Welsh cakes. He has 540g of flour and plenty of the other ingredients. Does he have enough flour? You should show your calculations.



Simple Proportion Answers

1. Chocolate bars are sold in packs of 6 bars. Calculate the number of chocolate bars in 3 packs.

$$6 \times 3 = 18$$

2. Oranges are sold in nets of 4 oranges. Calculate the number of oranges in 5 nets.

$$4 \times 5 = 20$$

3. Exercise books are sold in boxes of 12 books. Calculate the number of books in 9 boxes.

$$12 \times 9 = 108$$

4. Chocolate bars are sold in packs of 6 bars. Casey has 24 chocolate bars. How many packs did she buy?

$$24 \div 6 = 4$$

5. Oranges are sold in nets of 4 oranges. Kamil has 36 oranges. How many nets did he buy?

$$36 \div 4 = 9$$

6. Exercise books are sold in boxes of 12 books. Ms Hill has 132 books. How many boxes did she order?

$$132 \div 12 = 11$$

7. Complete the table to show the ingredients required to bake the given number of Welsh cakes:

	Example	a.	b.	c.
Number of Cakes	8	16	2	28
Flour (g)	110	220	27.5	385
Butter (g)	25	50	6.25	87.5
Caster Sugar (g)	40	80	10	140
Currants (g)	30	60	7.5	105
Eggs	$\frac{1}{2}$	1	$\frac{1}{8}$	$1\frac{3}{4}$

- d. Daffid wants to make 40 Welsh cakes. He has 540g of flour and plenty of the other ingredients. Does he have enough flour? You should show your calculations.

$$110\text{g} \div 8 = 13.75\text{g flour needed for one cake.}$$

$$540 \div 13.75 = 39.27 \text{ (2d.p.)}$$

No, Daffid only has enough flour to make 39 cakes.