

# Ratio and proportion

WS  
64E

## Ratio and proportion

- 1** Eggs cost €1.60 for 12.  
(a) How much do 6 eggs cost?  
(b) How much do 18 eggs cost?
- 2** Chocolate eggs cost €1.35 for 9.  
(a) How much do 3 chocolate eggs cost?  
(b) How much do 12 chocolate eggs cost?
- 3** Ice lollies cost €3.20 for 8.  
(a) How much do 4 ice lollies cost?  
(b) How much do 12 ice lollies cost?
- 4** Floppy disks cost €9.60 for 12.  
(a) How much do 3 floppy disks cost?  
(b) How much do 15 floppy disks cost?
- 5** Red roses are priced at €6.00 for 12.  
How much do 18 red roses cost?
- 6** Tulips are priced at €4.80 for 12.  
How much do 15 tulips cost?
- 7** Daffodils are priced at €4.00 for 12.  
How much do 18 daffodils cost?
- 8** 3 pens cost €1.20.  
How much do 11 pens cost?
- 9** A car travels 60 km on 12 litres of petrol.  
How far does it travel on 7 litres?
- 10** A train travels 150 kilometres in 3 hours and 20 minutes.  
How long does it take to complete a journey of 240 kilometres?
- 11** It costs €27.50 to paint a wall measuring 35 m by 6.5 m.  
How much does it cost to paint a wall measuring 14 m by 13 m?
- 12** 12 packets of fruit chews cost €1.80.  
How much do 18 packets of fruit chews cost?
- 13** 20 blank CDs cost €40.  
How much do 24 blank CDs cost?

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WS  
70s

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Karen and Andy are preparing a meal for six people.

- 1** Karen uses a recipe for Cream of Mushroom soup which serves four people. Copy and complete the table to help Karen work out how much of each ingredient she will need for six people.



| Ingredients  | Quantity for 4 people | Quantity for each person | Quantity for 6 people |
|--------------|-----------------------|--------------------------|-----------------------|
| Mushrooms    | 240 g                 |                          |                       |
| Stock        | 300 ml                |                          |                       |
| Small onions | 1                     |                          |                       |
| Plain flour  | 30 g                  |                          |                       |
| Milk         | 400 ml                |                          |                       |
| Egg yolks    | 2                     |                          |                       |

- 2** Andy has a recipe for Bolognese Sauce which serves eight people. Copy and complete this table to help him find the quantities needed for six people.



| Ingredients       | Quantity for 8 people | Quantity for each person | Quantity for 6 people |
|-------------------|-----------------------|--------------------------|-----------------------|
| Shallots          | 12                    |                          |                       |
| Margarine         | 40 g                  |                          |                       |
| Minced beef       | 240 g                 |                          |                       |
| Chopped tomatoes  | 480 g                 |                          |                       |
| Tomato puree      | 32 ml                 |                          |                       |
| Garlic cloves     | 4                     |                          |                       |
| Mixed dried herbs | 12 g                  |                          |                       |

- 3** Only five people are staying for dessert. What are the quantities needed to make Apple Crumble for five people?

### Apple Crumble (Serves 2)

1 large cooking apple      90 g wholemeal flour  
 25 g white sugar              40 g butter  
 $\frac{1}{4}$  teaspoon of cinnamon      75 g brown sugar

