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| **Day 1 – Group 1:** Solve problems involving the relative size of two quantities |
|  | Solve simple problems involving the relative sizes of two quantises (input) |
|  | Solve problems scaling recipes |
|  | Solve problems in a variety of contexts |

1) Four cookies cost £3.20. How much would you pay for:

a) 8 cookies b) 20 cookies c) 10 cookies d) 15 cookies

2) 3 pens cost £1.20. How much would you pay for:

a) 6 pens b) 9 pens c) 1 pen d) 15 pens

3) To make soup for 4 people, you need 800g of tomatoes and 600g of cream. Tom only has 400g of tomatoes. How much cream should he use?

**Q1.**

Here are the ingredients for fish pie for **two people.**



Omar makes fish pie for **3 people.**

How many **grams of fish** should he use?



2 marks

**Q2.**

Here is a recipe for pasta sauce.



Josh makes the pasta sauce using **900 g** of **tomatoes**.

What weight of **onions** should he use?



1 mark

**Q5.**

Here is a recipe for fruit smoothies.



Stefan uses the recipe to make smoothies.
He uses 1 litre of orange juice.

How many strawberries does he use?



1 mark

**Q6.**

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| --- | --- |
| Chen is cooking some pasta.The recipe says he needs 350 grams of pasta for 4 people. |  |

How many **kilograms** of pasta does he need for **8 people**?



2 marks

**Q1.**

A stack of 10 identical boxes is 140 cm tall.



Stefan takes **three** boxes off the top.

How tall is the stack now?

**Q2.**

A stack of 20 identical boxes is 140 cm tall.

300cm tall.



300cm

Stefan takes **two** boxes off the top.

How tall is the stack now?

**Q3.**

A stack of 10 identical boxes is 140 cm tall.

1200cm tall.



1200cm

Stefan takes **four** boxes off the top.

How tall is the stack now?

**Q3.**

A stack of 10 identical boxes is 140 cm tall.

1080cm tall.



1080cm

Stefan takes **three** boxes off the top.

How tall is the stack now?

**Q4.**

Peanuts cost **60p** for **100 grams**.

What is the cost of **350 grams** of peanuts?



2 mark

Raisins cost **80p** for **100 grams**.

Jack pays **£2** for a bag of raisins.

How many **grams of raisins** does he get?



2 mark

**Q5.**

Cheddar cheese costs £7.50 for 1 kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?



1 mark

Cream cheese costs £3.60 for 1 kg.

Robbie buys a pot of cream cheese for 90p.



How many grams of cream cheese does he buy?



2 marks

**Q9.**

These are the prices of cheese in a shop.



Mina buys **200 g** of Cheddar cheese and **150 g** of Edam cheese.

How much does she pay altogether?



2 marks

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get?



1 mark