

# RECIPES

CONTENT DOMAIN REFERENCES:  
R1, R4

# KS2 SATS

## PRACTICE QUESTIONS BY TOPIC

1

Here is a recipe for pasta sauce.

[Extra]

**Pasta sauce**

300g	tomatoes
120g	onions
75g	mushrooms

x3

Josh makes the pasta sauce using 900g of tomatoes.

What weight of onions should he use?

$$120 \times 3 = \underline{\underline{360}}$$

360 g

[1 mark]

2

Here are the ingredients for fish pie for two people.

[Extra]

**Fish pie**  
(for 2 people)

250 g	fish
400 g	potato
25 g	butter

Omar makes fish pie for 3 people.

How many grams of fish should he use?

$$\frac{250}{2} = 125 \rightarrow 125$$
$$\begin{array}{r} 125 \\ \times 3 \\ \hline 375 \\ \hline \end{array}$$

375 g

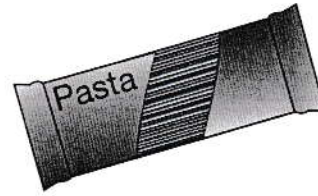
[1 mark]

3

Chen is cooking some pasta.

[2014]

The recipe says he needs 350 grams of pasta for 4 people.



How many kilograms of pasta does he need for 12 people?

Show your method

$$\begin{array}{r}
 350 \\
 \times 3 \\
 \hline
 1050 \text{ grams}
 \end{array}$$

1.05kg

[2 marks]

4

[2000]



Shortcrust pastry is made using flour, margarine and lard.

The flour, margarine and lard are mixed in the ratio

8 : 3 : 2 by weight.

How many grams of margarine and lard are needed to mix with 200 grams of flour?

F : M : L

8 : 3 : 2

x25 ↓  
200

margarine

75 g

lard

50 g

[3x25]

[2x25]

[2 marks]

5

Here are the ingredients for chocolate ice cream.

[2016S]

cream	400 ml
milk	500 ml
egg yolks	4
chocolate	120 g
sugar	100 g



Stefan has only 300ml of cream to make chocolate ice cream.

How much **chocolate** should he use?

Show your method

$$\frac{120}{4} = \underline{\underline{30}} \rightarrow 30 \times 3 = 90$$

90 grams

[2 marks]

6

Sapna makes a fruit salad using bananas, oranges and apples.

[2005]

For every one banana, she uses 2 oranges and 3 apples.

Sapna uses 24 fruits.

How many oranges does she use?

Show your method

B : O : A  
1 : 2 : 3

↓ ×4  
8

TOTAL

6

↓ ×4  
24

8

[2 marks]

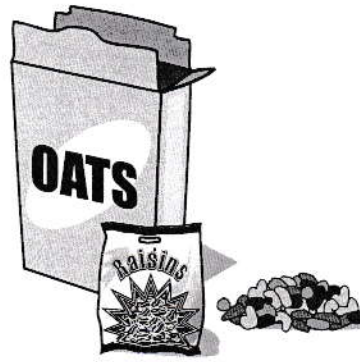
7

This is Kirsty's recipe for breakfast cereal.

[2015]

50 grams of oats  
30 grams of raisins  
40 grams of nuts

x1.5



If she uses 125 grams of oats, how many grams of raisins does she need?

Show your method

$$30 \times 2.5 = 3 \times 25$$

$$= \underline{\underline{75}}$$

75 GRAMS

[2 marks]

8

Here is a recipe for fruit squash.

[Extra]

Oranges (chopped)	300 g
Lemonade	1500 ml
Orange juice	750 ml
<b>Makes enough for 6 people</b>	

EASIEST TO

1 ÷ 3 TO GET 2 PEOPLE

2 × 5 TO GET 10 PEOPLE

Trina wants to make enough squash for 10 people.

How many millilitres of lemonade will she need?

Show your method

2 PEOPLE

$$\frac{1500}{3} = 500$$

10 PEOPLE

$$500 \times 5 = \underline{\underline{2500}}$$

2500 ML

[1 mark]

9

Here are the ingredients for a cordial used to make a drink.

[Extra]

50g ginger
1 lemon
1.5 litres of water
900g sugar

 $\div 2$ 

Jenny is going to make this cordial with **25g** of ginger.

How much lemon, water and sugar should she use?

25g ginger
$\frac{1}{2}$ lemon
0.75 litres of water
450g sugar

The finished drink should be  $\frac{1}{3}$  cordial and  $\frac{2}{3}$  water.

Jenny puts **100ml** of cordial in a glass.

How much water should she put with it?

$$\frac{2}{3} \times 100 \rightarrow \frac{1}{3} \text{ is } \underline{\underline{33.3}} \text{ so } \frac{2}{3} \text{ is } \underline{\underline{66.6}}$$

66.6 ml
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[2 marks]

Here is a recipe for raspberry ice cream.

**raspberry ice cream  
for 8 people**

$\frac{1}{2}$  litre of cream

1kg raspberries

250g sugar



This recipe is for **8 people.**

$\times 1.5$

Josie makes enough raspberry ice cream for **12 people.**

How much **cream** does she use?

$$0.5 \times 1.5 = \underline{\underline{0.75}}$$

0.75 litre

Fred makes raspberry ice cream in the same way.

He uses  **$2\frac{1}{2}$  kg of raspberries.**

How much **sugar** does he use?

Show your method

$$250 \times 2.5$$

$$250 \times 2 = 500$$

$$250 \times 0.5 = 125$$

$$\underline{\underline{625}}$$

625 GRAMS

11

[Extra]

The table shows a recipe for a fruit drink.

Type of juice	Amount
Orange	$\frac{1}{2}$ litre
Cranberry	$\frac{1}{3}$ litre
Grape	$\frac{1}{6}$ litre
Total	1 litre

I want to make  $1\frac{1}{2}$  litres of the same drink.

Complete the table below to show how much of each type of juice to use.

Show your working.

ORANGE

$$\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$$

CRANBERRY

$$\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$$

GRAPE

$$\begin{aligned} \frac{1}{6} + \frac{1}{12} &= \frac{2}{12} + \frac{1}{12} \\ &= \frac{3}{12} \\ &= \frac{1}{4} \end{aligned}$$

Type of juice	Amount
Orange	$\frac{3}{4}$ litre
Cranberry	$\frac{1}{2}$ litre
Grape	$\frac{1}{4}$ litre
Total	$1\frac{1}{2}$ litres

[2 marks]

Here is a recipe for fruit smoothies.

[2009]

**Recipe**

10 strawberries  
 $\frac{1}{2}$  litre of orange juice  
250ml yogurt  
 1 banana  
 Makes two smoothies



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

How many strawberries does he use?

$$10 \times 4$$

$$\times 2.5$$

✍ 40

Amir uses the same recipe.

He wants to make 5 smoothies.  
 He has 1 litre of orange juice.

How many **more** millilitres of orange juice does he need?

Show your method

$$\frac{1}{2} \times 2.5 = \underline{\underline{1.25}} \text{ LITRES NEEDED}$$

$$[0.25 \text{ MORE}]$$

250 mL

[3 marks]