

R17 Recipe style questions

OCR

6 Here is a recipe for curry.

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

(a) Oliver is making this curry for 8 people.

How many carrots should he use?

(a) [1]

6 Here is a recipe for curry.

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

(b) Jen is making this curry for 2 people.

How much curry powder should she use?

(b)..... g [1]

6 Here is a recipe for curry.

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

(c) Andy is making this curry using 1000 g of meat.

For how many people did he make the curry?

(c) [2]

6 Here is a recipe for curry.

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

Handwritten annotations:
A blue arrow labeled "x2" points from the title "Curry" to the text "8 people".
A blue arrow labeled "x2" points from the "3 carrots" row to the "8 people" text.

(a) Oliver is making this curry for 8 people.

How many carrots should he use?

(a) 6 carrots [1]

6 Here is a recipe for curry.

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

$\times 10$

$$400\text{g} = 4 \text{ people}$$

$$100\text{g} = 1 \text{ person}$$

$$1000\text{g} = 10 \text{ people}$$

(c) Andy is making this curry using 1000 g of meat.

For how many people did he make the curry?

(c) 10 people [2]

6 Here is a recipe for curry.

2 people

÷2

Curry	
For 4 people	
400 g	meat
2	onions
3	carrots
200 g	sweetcorn
500 ml	stock
10 g	curry powder

÷2

(b) Jen is making this curry for 2 people.

How much curry powder should she use?

(b).....5..... g [1]

5 George is going to make biscuits for a party.

He buys:

- two 250g packs of butter at £1.30 per pack
- one 1.5kg bag of flour at £0.80 per bag
- one 500g bag of sugar at £0.99 per bag.

(a) (i) How much does he spend altogether?

(a)(i) £ [1]

(ii) He pays with a £10 note.

How much change should he receive?

(ii) £ [1]

5 George is going to make biscuits for a party.

He buys:

- two 250g packs of butter at £1.30 per pack
- one 1.5kg bag of flour at £0.80 per bag
- one 500g bag of sugar at £0.99 per bag.

(b) These are the ingredients for making 16 biscuits.

<p>16 Biscuits</p> <p>100 g butter 150 g flour 40 g sugar</p>
--

George makes as many biscuits as he can, with the ingredients he bought.

Show that George can make 80 biscuits.

[3]

5 George is going to make biscuits for a party.

He buys:

- two 250g packs of butter at £1.30 per pack
- one 1.5kg bag of flour at £0.80 per bag
- one 500g bag of sugar at £0.99 per bag.

(a) (i) How much does he spend altogether?

$$\begin{array}{r} 2.60 \\ 0.80 \\ 0.99 \\ \hline 4.39 \end{array}$$

(a)(i) £ 4.39 [1]

(ii) He pays with a £10 note.

How much change should he receive?

$$10 - 4.39$$

(ii) £ 5.61 [1]

5 George is going to make biscuits for a party.

He buys:

- two 250g packs of butter at £1.30 per pack
- one 1.5kg bag of flour at £0.80 per bag
- one 500g bag of sugar at £0.99 per bag.

he has
500g ✓

1.5kg = 1500g ✓

(b) These are the ingredients for making 16 biscuits.

16 Biscuits
100g butter
150g flour
40g sugar

x5

80 biscuits

500g butter ✓
750g flour ✓
200g sugar ✓

George makes as many biscuits as he can, with the ingredients he bought.

Show that George can make 80 biscuits.

[3]

8 Apple crumble is made using these ingredients.

Video created by W Neill

Apple crumble	
Serves 6 people	
550 g	apple
200 g	sugar
120 g	flour
30 g	butter

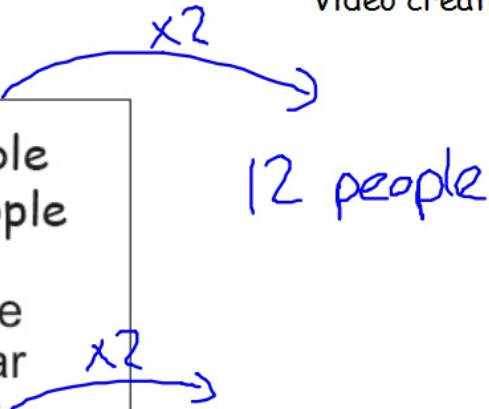
(a) Susumu makes apple crumble to serve 12 people.

How much flour should he use?

(a) g [1]

8 Apple crumble is made using these ingredients.

Apple crumble	
Serves 6 people	
550 g	apple
200 g	sugar
120 g	flour
30 g	butter



(a) Susumu makes apple crumble to serve 12 people.

How much flour should he use?

(a) 240 g [1]

Video created by W Neill

Apple crumble
Serves 6 people

550 g apple
200 g sugar
120 g flour
30 g butter

(b) Natalie makes apple crumble for 2 people.

How much butter should she use?

(b) g [1]

(c) Abena has 1.3 kg of apples and plenty of the other ingredients.

Can she make apple crumble for 15 people?
Explain how you got your answer.

..... [4]

Video created by W Neill

2 people

Apple crumble
Serves 6 people

550 g	apple
200 g	sugar
120 g	flour
30 g	butter

(b) Natalie makes apple crumble for 2 people.

How much butter should she use?

$$30g \div 3$$

(b) 10 g [1]

(c) Abena has 1.3kg of apples and plenty of the other ingredients.

Can she make apple crumble for 15 people?
Explain how you got your answer.

$$\begin{array}{l}
 \div 6 \left\{ \begin{array}{l} 550g = 6 \text{ people} \\ 91.6g = 1 \text{ person} \end{array} \right. \div 6 \\
 \times 15 \left\{ \begin{array}{l} 1375g = 15 \text{ people} \\ = 1.375kg \end{array} \right. \times 15
 \end{array}$$

No, she does not have
..... [4] enough

11 A recipe for flapjacks uses only oats, butter and syrup, in the ratio 3 : 2 : 1.

Created by W Neill

(a) Pirin makes 1.5kg of flapjacks.
He uses 600g of butter.

Has Pirin followed this recipe?
Show how you decide.

.....

.....

.....

.....

.....

.....

..... [4]

- (b) Using this recipe, 200 g of syrup are needed to make 10 flapjacks.
Find the mass of **oats** needed to make **15** of these flapjacks.

(b) g [3]

11 A recipe for flapjacks uses only oats, butter and syrup, in the ratio 3 : 2 : 1.

Created by W Neill

(a) Pirin makes 1.5kg of flapjacks.

R15a

He uses 600g of butter.

Has Pirin followed this recipe?
Show how you decide.

O B S

3 : 2 : 1 = 1.5kg

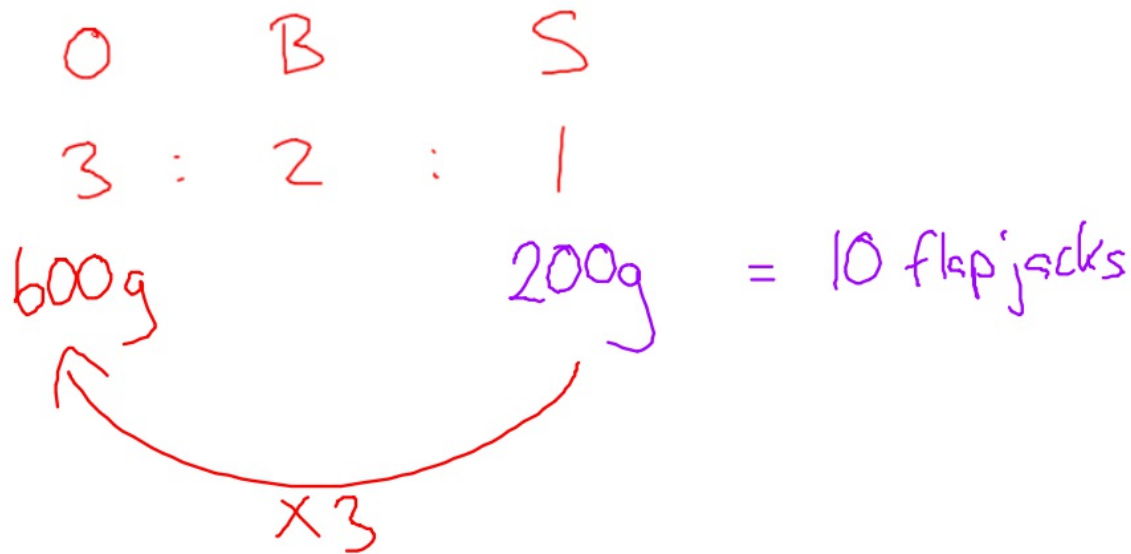
1500g = 6 part 750g : 500g : 250g = 1500g
250g = 1 part

NO, Recipe has not been followed as he should have used 600g and actually used 500g of butter.

[4]

(b) Using this recipe, 200g of syrup are needed to make 10 flapjacks.

R17 Find the mass of **oats** needed to make **15** of these flapjacks.



600g oats = 10fj

300g oats = 5fj

900g oats = 15fj

(b) g [3]

Edexcel

19 Here is a list of ingredients for making 16 flapjacks.

Created by W Neill

Ingredients for 16 flapjacks

- 120 g butter
- 140 g brown sugar
- 250 g oats
- 2 tablespoons syrup

Jenny wants to make 24 flapjacks.

Work out how much of each of the ingredients she needs.

butter g

brown sugar g

oats g

syrup tablespoons

(Total for Question 19 is 3 marks)

19 Here is a list of ingredients for making 16 flapjacks.

Created by W Neill

8 flapjack

60g butter
70g brown sugar
125g oats
1 table S syrup

Ingredients for 16 flapjacks

120 g butter
140 g brown sugar
250 g oats
2 tablespoons syrup

24 flapjacks



Jenny wants to make 24 flapjacks.

Work out how much of each of the ingredients she needs.

butter	180	g
brown sugar	210	g
oats	375	g
syrup	3	tablespoons

(Total for Question 19 is 3 marks)

17 Here is the list of ingredients for making 30 biscuits.

Video created by W Neill

Ingredients for 30 biscuits

225 g butter

110 g caster sugar

275 g plain flour

75 g chocolate chips

Lucas has the following ingredients.

900 g butter

1000 g caster sugar

1000 g plain flour

225 g chocolate chips

What is the greatest number of biscuits Lucas can make?

You must show your working.

.....
(Total for Question 17 is 3 marks)

17 Here is the list of ingredients for making 30 biscuits.

Video created by W Neill

R17

Ingredients for 30 biscuits
225 g butter
110 g caster sugar
275 g plain flour
75 g chocolate chips

Lucas has the following ingredients.

900 g butter $900 \div 225 = 4$ lots of 30 = 120 biscuits
1000 g caster sugar $1000 \div 110 = 9.09$ lots of 30 = 272 biscuits
1000 g plain flour $1000 \div 275 = 3.63$ lots of 30 = 109 biscuits
225 g chocolate chips $225 \div 75 = 3$ lots of 30 = 90 biscuits

What is the greatest number of biscuits Lucas can make?

You must show your working.

90 biscuits ✓

(Total for Question 17 is 3 marks)

15 Shahid is going to use these instructions to make a fizzy drink.

Video Created by W Neill

R17

Mix 5 parts of orange juice
with 2 parts of lemonade

Shahid thinks that he has 300 ml of orange juice and 200 ml of lemonade.

(a) If Shahid is correct, what is the greatest amount of fizzy drink he can make?

..... ml
(3)

Shahid has 300 ml of orange juice but he only has 160 ml of lemonade.

(b) Does this affect the greatest amount of fizzy drink he can make?
Give a reason for your answer.

(1)

15 Shahid is going to use these instructions to make a fizzy drink.

Video Created by W Neill

R17

Mix 5 parts of orange juice
with 2 parts of lemonade

OJ : Lem
5 : 2
300ml : 120ml

Shahid thinks that he has 300 ml of orange juice and 200 ml of lemonade.

(a) If Shahid is correct, what is the greatest amount of fizzy drink he can make?

Shahid has.... 300ml OJ
200ml Lem

\therefore $\left\{ \begin{array}{l} 300\text{ml} = 5\text{ parts} \\ 60\text{ml} = 1\text{ part} \end{array} \right\} \therefore 5$
 $120\text{ml} = 2\text{ parts}$

420 ml
(3)

Shahid has 300 ml of orange juice but he only has 160 ml of lemonade.

(b) Does this affect the greatest amount of fizzy drink he can make?

Give a reason for your answer.

No change, he doesn't have more OJ so no change will be made to fizzy drink.
(1)

AQA

11 Here is a list of ingredients needed to make 6 pancakes.

Flour	120 grams
Eggs	2
Milk	210 millilitres

11 (a) Complete the list of ingredients needed to make 9 pancakes.

[3 marks]

R17

Flour	_____
Eggs	_____
Milk	_____

11 Here is a list of ingredients needed to make 6 pancakes.

3 pancakes
60g f
1 egg
105ml

Flour	120 grams
Eggs	2
Milk	210 millilitres

9 pc

11 (a) Complete the list of ingredients needed to make 9 pancakes.

[3 marks]

R17

Flour	180 grams
Eggs	3 eggs
Milk	315ml

11 (b) Convert 210 millilitres to fluid ounces.

Use 1 fluid ounce = 28.4 millilitres

Give your answer to 1 decimal place.

[2 marks]

Answer _____ fluid ounces

11 (b) Convert 210 millilitres to fluid ounces.

Use 1 fluid ounce = 28.4 millilitres

R26

N26

Give your answer to 1 decimal place.

[2 marks]

$$\begin{array}{r} \times 7.394 \\ \hline 210 \text{ ml} \\ \hline \underline{7.3943} \end{array}$$

1 ounce = 28.4 ml

Answer 7.4 fluid ounces