LINEAR PROPORTION

[ESTIMATED TIME: 50 minutes]



(+ IGCSE) EXAM QUESTION PRACTICE

1.	[2 marks]
TI 4 4 1 1 14 C2 11 41 1 1 1 4 1 525	

The total weight of 3 identical video tapes is 525 g. Work out the total weight of 5 of these video tapes.

..... g

2. [3 marks]

Here is a list of ingredients for making Apple and Raspberry Crumble for 6 people.

Apple and Raspberry Crumble

Ingredients for 6 people

120 grams plain flour 230 grams apples 200 grams raspberries

160 grams soft brown sugar 90 grams butter

Sam wants to make Apple and Raspberry Crumble for 15 people. She has enough plain flour, soft brown sugar and butter.

Work out the amount of apples and the amount of raspberries Sam needs.

apples grams grams

Here is a list of ingredients needed to make quiche for 6 people.

		Ingredients for 6 people.	
		250 g plain flour	
		120 g butter	
		400 ml single cream	
		150 g cheese	
		6 rashers of bacon	
		4 Eggs	
(a)	Jasper wants to make qu Work out the amount of		
(b)	Kirsty wants to make qu Work out the amount of		(2)
(c)	Tommy makes quiche for He uses 325 g of cheese Work out the number of		(2)

(2)

1 euro = 120 yen £1 = 1.2 euros

Change £50 to yen.

 	yen
	-

5. [3 marks]

Eric travels from the UK to India every year.

In 2010, the exchange rate was £1 = 67.1 rupees.

In 2012, the exchange rate was £1 = 82.5 rupees.

In 2010 Eric changed £600 into rupees.

How many pounds (£) did Eric have to change to rupees in 2012 to get the same number of rupees as he did in 2010?

£

..... Sri Lankan rupees

Change 50 euros to Sri Lankan rupees.

..... euros

Here is a list of the ingredients needed to make lentil soup for 6 people.

Lentil Soup (for 6 people)
120 g lentils
300 g carrots
800 ml vegetable stock
3 onions

Jenny wants to make lentil soup for 24 people.

(a) Work out the amount of vegetable stock she needs.

 	ml
(2)	

Ravi is going to make lentil soup. He uses 450 g of carrots.

(b) How many people is Ravi making the lentil soup for?

(2)

Here are the ingredients needed to make 12 muffins.

Ingredients to make 12 muffins									
300g flour									
150g sugar									
250 ml milk									
100 g butter									
2 eggs									

Sarah makes 60 muffins.

(a) Work out how much sugar she uses.

	 																														٤	2	,
																	(4	2)))											

James makes some muffins. He uses 625 ml of milk.

(b) How many muffins did he make?



Here is a list of ingredients needed to make 16 cookies.

Ingredients for 16 cookies
120 g butter
150 g sugar
240 g flour
170 g chocolate
1 egg

Max wants to make 40 cookies.

(a) How much flour does Max r

.....g

Abby made cookies to sell at a school fair. She used 600 g of butter.

(b) How many cookies did she make?

(2)

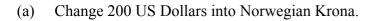
(c) Find the ratio of the weight of sugar to the weight of flour in the list of ingredients. Give your answer in the form 1: n

1:....(2)

1	TIC	Dollar	. — tv	65
- 1	\cup 5	Donai	ー たい	.O.

£1 =
$$1.35$$
 Euro

£1 = 11.60 Norwegian Krona



(2)

Change 750 Norwegian Krona into Euros. (b)

(2)

Change 500 Euros into US Dollars. (c)

(2)

14. [4 marks]

Jalin lives in England.

He does a search on the internet and sees the same type of camera on sale in France and in America.

In France, the camera costs 126 euros. In America, the camera costs \$165.24

Jalin finds out these exchange rates.

Exchange rates
1 euro = £0.89
£1 = \$1.62

How much cheaper is the camera in America than in France? Give your answer in pounds (£).

£

John changes £450 to euros.

The exchange rate is £1 = 1.16 euros.

(a) Change £450 to euros.

.....euros (2)

When in Amsterdam, John uses his credit card to pay for a ring costing 850 euros.

He has to pay a bank charge of £3.50 for using his credit card in addition to the cost of the ring.

(b) Work out the total cost, in pounds (£), of the ring and the bank charge.

£(3)