

Intermediate Numeracy Sam 2 P2 Q1

1. Teabags are on offer.

Offer A



Offer B



Which is the better buy?
Show all your calculations.

[5]

Intermediate Numeracy Nov 2016 P1 Q2



Small bottle
300 ml for 66p



Medium bottle
400 ml for 92p



Large bottle
500 ml for £1.25

(a) *In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.*

Roland is going to buy some orange juice for a party.
Which size bottle of orange juice offers the best value for money?
You must show your working.

[3 + 2 OCW]

(b) Galina needs to buy **exactly** 800 ml of orange juice.
Which is the best option for Galina?
You must show your working and consider all options.
You must give a reason for your choice.

[3]

Intermediate Numeracy Nov 2017 P1 Q2

2. Four different supermarkets have special offers on the price of lemons.



Supermarket	Special offer
Cost 4go	Lemons: usually 40p each Now on offer! Buy 3 for the price of 2
Edges Mart	A net of 4 lemons for 75p
Food Uno	A bag of 5 lemons for 76p
Greenway	Lemons: only 26p each

Aled needs 6 lemons to make lemon cakes for a birthday party.

(a) *In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.*

Aled only has time to go to one supermarket.

Calculate how much Aled would pay in each of the supermarkets.
In which supermarket will he be able to get the lemons he needs for the least amount of money?
You must show all your working. [5 + 2 OCW]

(b) Aled can use any left over lemons to make muffins.

Which supermarket gives the best value for money?
Give a reason for your answer. [1]

Intermediate Numeracy Summer 2019 P2 Q2a

(a) *In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.*

Edmund needs carrots to make soup.
His two local supermarkets are *SuperM* and *FairMart*.

450g of carrots cost 27p in *SuperM*.
The same variety of carrots cost 57p per kg in *FairMart*.



Edmund wants to buy carrots that are the best value for money.
Should he buy carrots from *SuperM* or from *FairMart*?
Give a reason for your answer.
You must show all your working. [3 + 2 OCW]

Intermediate Numeracy Nov 2018 P1 Q3a

(a) In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.

Tref-tiles sells boxes of small wall tiles.
Three different boxes are available.



Box of
25 tiles
for £7.50

Box of
40 tiles
for £11.20

Box of
100 tiles
for £29

Catrin is buying a very large quantity of these small tiles to cover all the walls in her bathroom.
Which box offers the best value for money?
You must show all your working. [4 + 2 OCW]

Intermediate Numeracy Summer 2017 P2 Q6b

(b) Gustav also makes a birthday cake for his sister.
The top face of the cake is in the shape of a trapezium.

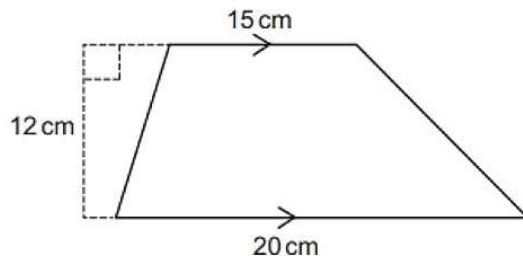


Diagram not drawn to scale

Gustav plans to ice the top face of the cake.
Each packet of icing costs £1.35 and is enough to cover 65 cm².
He has to buy complete packets of icing.

- (i) Calculate the area of the top face of the cake Gustav has made. [2]
- (ii) How much will it cost Gustav to ice the top face of the cake?
You must show all your working. [3]

Intermediate Numeracy Nov 2017 P1 Q6

Truetool is a tool hire company.



Hire charges	
The cost of hiring a cement mixer in £:	$13 \times \text{number of days} + 26$
The cost of hiring a jet washer in £:	$9 \times \text{number of days} + 38$

(a) Sara hires a cement mixer for 5 days and a jet washer for 7 days from Truetool. How much **change** would she get from £200? [3]

(b) Geraint hired a cement mixer for a number of days. Lois hired a jet washer for the same number of days. They each paid the same amount of money. For how many days did they each hire these tools from Truetool? You must show all your working. [3]

Intermediate Numeracy Sam 2 P1 Q7

In a supermarket, the same brand of shampoo is sold in two different-sized bottles.



Large bottle 800 ml for £1.28

Small bottle 300 ml for 45p

Which bottle of shampoo offers the better value for money? You must show your working and give a reason for your choice. [4]