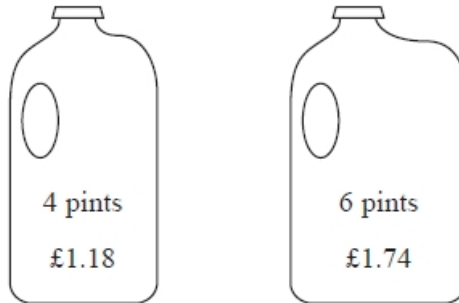# N194 Proportion 2

Q1.

*Milk is sold in two sizes of bottle.

A 4 pint bottle of milk costs £1.18
A 6 pint bottle of milk costs £1.74

Which bottle of milk is the best value for money?
You must show all your working.

(Total for Question is 3 marks)

Q2.

* A shop sells bags of crisps in different size packs.

There are

     18 bags of crisps in a small pack
      20 bags of crisps in a medium pack
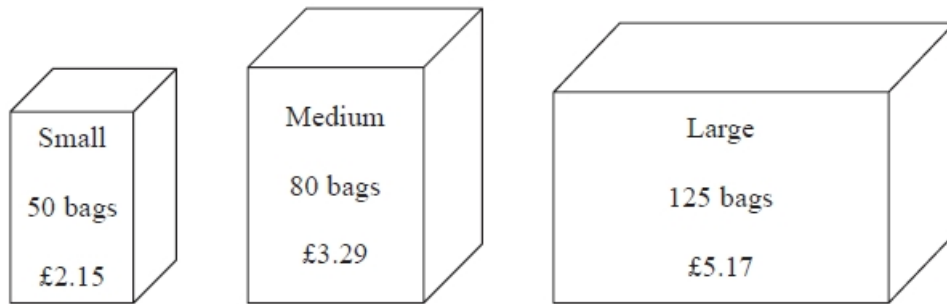   26 bags of crisps in a large pack

Crisps 18 bags	Crisps 20 bags	Crisps 26 bags
£4 each pack	£4.99 each pack	£6 each pack

Which size pack is the best value for money?
You must show all your working.

(Total for question = 4 marks)

Q3.

* Tea bags are sold in three sizes of box.

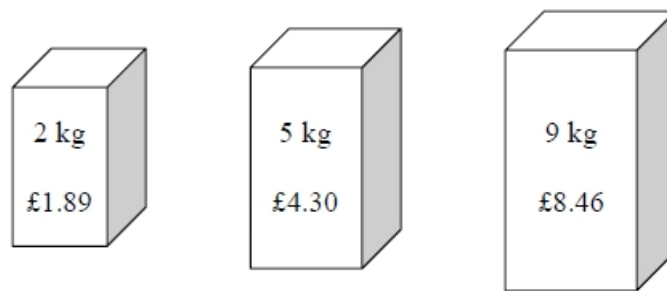A small box of 50 tea bags costs £2.15
A medium box of 80 tea bags costs £3.29
A large box of 125 tea bags costs £5.17

Which size of box is the best value for money?

(Total for Question is 4 marks)

Q4.

Soap powder is sold in three sizes of box.

A 2 kg box of soap powder costs £1.89
A 5 kg box of soap powder costs £4.30
A 9 kg box of soap powder costs £8.46

Which size of box of soap powder is the best value for money?
You must show how you get your answer.

(Total for question = 3 marks)

Q5.

* A supermarket has two special offers on lemonade.

Bottles of lemonade

Special offer

15% off the normal price of each bottle

Cans of lemonade

Special offer

Buy 3 cans get 25p off the total cost

The normal price of a 2.5 litre bottle of lemonade is £1.60
The normal price of a 0.33 litre can of lemonade is 28p.

Jerry is going to buy 4 bottles of the lemonade on special offer or 30 cans of the lemonade on special offer.

Which special offer is the better value for money?

(Total for question = 5 marks)

Q6.

*Jane wants to buy some compost.
Both Suttons Shop and Greens Garden Shop sell compost.

Suttons Shop

Bags of compost

20 litres

£2.25 each bag
£3.25 for 2 bags

Greens Garden Shop

Bags of compost

70 litres

£4.99 each bag

Jane needs 140 litres of compost.
She wants to buy all the compost from the same shop.
She wants to buy the compost as cheaply as possible.

Which shop should Jane buy the compost from?
You must show all your working.

(Total for question = 4 marks)

Q7.

T-shirts normally cost £12 each.
Two shops have a special offer on these T-shirts.

Stop A
1/3 off normal price

Shop B
Pay for two T-shirts and get one free
Pay for five T-shirts and get three free

Stephen wants to buy 30 T-shirts.

Work out at which shop, Stephen will get the better deal.
You must show all your working.

(Total for question = 4 marks)

Q8.

Sophia pays £222 for a plane ticket.
She also pays 100 euros airport tax.

The exchange rate is £1 = 1.38 euros.

What percentage of the total cost of the ticket and the airport tax does Sophia pay for the airport tax?
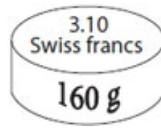Give your answer correct to 1 decimal place.

.... %

(Total for question = 3 marks)

Q9.

* Margaret is in Switzerland.
The local supermarket sells boxes of Reblochon cheese.

3.10
Swiss francs
160 g

Each box of Reblochon cheese costs 3.10 Swiss francs.
It weighs 160 g.

In England, a box of Reblochon cheese costs £13.55 per kg.

The exchange rate is £1 = 1.65 Swiss francs.

Work out whether Reblochon cheese is better value for money in Switzerland or in England.

(Total for Question is 4 marks)

Q10.

Andy went on holiday to Canada.
His flights cost a total of £1500

Andy stayed for 14 nights.
His hotel room cost $196 per night.

Andy used wifi for 12 days.
Wifi cost $5 per day.

The exchange rate was $1.90 to £1

(a)   Work out the total cost of the flights, the hotel room and Wi-Fi.

   Give your answer in pounds.

£ ....

(5)

(b)   If there were fewer dollars to £1, what effect would this have on the total cost, in pounds, of Andy's holiday?

....

(1)

(Total for question = 6 marks)