

NO calculator. You will need paper/exercise book to show your calculations

1. Aaliyah wants to buy 7 ticket.

Three ticket agencies sell the same type of ticket.

Tick 4 Tickets	
ticket	£7.00 (buy 1 get 1 half price)

Every Event	
ticket	£7.20 (buy 2 get 1 free)

Great Evenings	
ticket	£5.00

Aaliyah wants to pay the lowest total price.

Which agency should Aaliyah buy the 7 ticket from?

You must show all your working.

2. Zahra wants to buy 1 nail polish remover and 2 bottles of nail polish.

Three shops sell the same size and type of nail polish remover and nail polish.

Personal Grooming	
nail polish remover	£1.50
nail polish	£3.00

Body Beautiful	
nail polish remover	£1.99
nail polish	£4.99 (buy 1 get 1 free)

Chemistry	
nail polish remover	£1.10
nail polish	£4.50 (buy 1 get 1 half price)

Zahra wants to buy the nail polish remover and 2 bottles of nail polish from the same shop.

She wants to pay the lowest total price.

Which shop should Zahra buy the nail polish remover and 2 bottles of nail polish from?

You must show all your working.

3. Lachlan wants to stay 4 nights at a hotel over a weekend.

A travel agent finds 3 suitable deals.

The Grand	
Stay 3 or more nights, £54 per night	

Convenience and Comfort	
1 nights	£71 (3 nights for the price of 2)

Boutiquely	
weekend special* 2 nights for	£120
extra nights	£50
*must include a Saturday night	

Lachlan wants to pay the lowest total price.

Which hotel should Lachlan book 4 nights stay from?

You must show all your working.

Turn over for Q4 and answers

4. Lloyd wants to buy 1 balloon pump and 75 balloons.

Three shops sell the same types of balloon pump and balloons.

<i>Party<sup>2</sup></i>	F is for Fun
balloon pump    £1.10	balloon pump and 25 balloons    £2.50
25 balloons        £1.50	balloon pump                            £2.25
50 balloons        £2.00	25 balloons                              £0.59

Entertainment Elves	
balloon pump    £1.00	
25 balloons     £1.50 (buy 1 get 1 free)	

Lloyd wants to buy the 1 balloon pump and 75 balloons from the same shop.

He wants to pay the lowest total price.

Which shop should Lloyd buy 1 balloon pump and 75 balloons from?

You must show all your working.

Answers

	shop	method	Total
1) Great Evenings because	Great Evenings	$7 \times £5.00$	= £35.00
	Tick 4 Tickets	$7 \div 2 (= £3.50); 4 \times £7.00 + 3 \times £3.50$	= £39.50
	Every Event	$5 \times £7.20$	= £36.00

	shop	remover	nail polish method	subT	Total
2) Body Beautiful	Personal G.	£1.50	$2 \times £3.00$	= £6.00	= £7.50
	Body B.	£1.99	£4.99	= £4.99	= £6.98
	Chemistry	£1.10	$£4.50 \div 2 (= £2.25) + £4.50$	= £6.75	= £7.85

	travel agent	method	Total
3) Convenience and Comfort because	The Grand	$4 \times £54$	= £216
	Boutiquely	$£120 + 2 \times £50$	= £220
	Convenience and Comfort	$3 \times £71$	= £213

	shop	pump	balloons method	subT	Total
4) F or Fun because	<i>Party<sup>2</sup></i>	£1.10	$£1.50 + £2.00$	= £3.50	= £4.60
	F is for Fun		$£2.50 + 2 \times £0.59 = £2.50 + £1.18$		= £3.68
	Entertainment Elves	£1.00	$2 \times £1.50$	= £3.00	= £4.00