

3. A parking 'Pay Machine' takes **£2**, **£1**, and **50p** coins.
John is due to pay a charge of **£3.50** for parking.

One possible combination of coins John could use is shown in the table below.
Complete the table to show the other combinations of coins that could be used.

£2	£1	50p
example: 0	3	1

4. Jill is giving change of **80 pence** to a customer.
She has **50p**, **20p** and **10p** coins available.

One possible combination of coins Jill could use is shown in the table below.
Complete the table to show the other combinations of coins that are possible.

50p	20p	10p
example: 0	2	4

5. Show the ways of making **60 pence** using only **50p**, **20p**, and **10p** coins.

50p	20p	10p

6. Perfume can be bought as follows: a **300 gram** box
 a **200 gram** box
 a **100 gram** box.

Tom wants to buy **700** grams of the perfume.

One possible combination of boxes Tom could buy is shown in the table below.

Complete the table to show the other combinations of boxes that could be bought.

300g	200g	100g
example: 0	2	3

7. A transport lorry carries containers with a total weight of **20 tonnes**.

Containers come in three types: container **A** weighs **5 tonnes**
 container **B** weighs **4 tonnes**
 container **C** weighs **3 tonnes**.

One possible combination of containers the lorry could carry is shown in the table below.

Complete the table to show the other combinations the lorry could carry.

A (5 tonnes)	B (4 tonnes)	C (3 tonnes)
example: 0	2	4

8. Prints of photographs can be bought as:
- a packet of **20** photos
 - a packet of **15** photos
 - a packet of **10** photos.

Karen wants to get **75** photos printed.

One possible combination of packets Karen could buy is shown in the table below.
Complete the table to show the other combinations of packets that could be bought.

20 photos	15 photos	10 photos
example: 0	3	3

9. In a competition darts are thrown at playing cards.

Points are scored as follows:

- 8 points** for hitting an **Ace**
- 6 points** for hitting a **King**
- 5 points** for hitting a **Queen**.

To win, a score of **over 17 points** is needed using **3 darts**.

One possible way of winning is shown in the table below.

Complete the table below to show the other ways of winning, including the points scored.

Ace (8 points)	King (6 points)	Queen (5 points)	points scored
example: 1	2	0	20

ANSWERS

1.

seat 1	seat 2	seat 3
example: G	B	R
G	R	B
B	G	R
B	R	G
R	B	G
R	G	B

2.

Starter	Main Course	Sweet
example: S	F	I
M	P	G
M	P	I
M	F	G
M	F	I
M	C	G
M	C	I
S	P	G
S	P	I
S	F	G
S	C	G
S	C	I

3.

£2	£1	50p
example: 0	3	1
0	0	7
0	1	5
0	2	3
1	1	1

4.

	50p	20p	10p
example:	0	2	4
	0	0	8
	0	1	6
	0	3	2
	0	4	0
	1	1	1
	1	0	3

5.

	50p	20p	10p
	0	0	6
	0	1	4
	0	2	2
	0	3	0
	1	0	1

6.

	300g	200g	100g
example:	0	2	3
	0	0	7
	0	1	5
	0	3	1
	1	1	2
	1	2	0
	2	0	1

7.

	A (5 tonnes)	B (4 tonnes)	C (3 tonnes)
example:	0	2	4
	4	0	0
	2	1	2
	1	3	1
	0	5	0

8.

	20 photos	15 photos	10 photos
example:	0	3	3
	3	1	0
	2	1	2
	1	1	4
	0	1	6
	0	5	0

9.

	Ace (8 points)	King (6 points)	Queen (5 points)	points scored
example:	1	2	0	20
	3	0	0	24
	2	1	0	22
	2	0	1	21
	1	1	1	19
	1	0	2	18
	0	3	0	18