1

Davina mixed some orange paint.

For every 5 litres of orange paint, she used 3 litres of red paint.

Davina used 12 litres of red paint.

How many litres of orange paint did Davina make?

3 litres of red for 5 litres of orange

x4   x4

12 litres of red for 20 litres of orange

20 litres

1 mark

2

Pat and Wayne are going to share £120.

Pat will get **3 times** as much as Wayne.

Ali says, "Pat will get £80".

Explain why Ali is **not** correct.

If Pat gets £80, Wayne must get £40 (£80 + £40 = £120)
That would mean Pat gets twice as much as Wayne.

(Pat gets £90 and Wayne gets £30)

1 mark

3

James wants to buy 24 bottles of water for the lowest possible price.

Shop A is selling packs of 4 bottles for £2.16   4 x 6 = 24
Shop B is selling packs of 6 bottles for £3.30   6 x 4 = 24

Which shop should James buy the bottle of water from?

Show Your method

6 packs from Shop A or 4 packs from shop B

```
    2 1 6          3 3 0
   X     6        X     4
  1 2 9 6        1 3 2 0
      3              1
```

Shop A

2 marks

4   3 apples weigh the same as 5 bananas.

One banana weighs 120 grams.

How much does **one** apple weigh?

Show Your method

```
    1 2 0         2 0 0
  x     5      3 ⌐6 0 0
    6 0 0
    1
```

| 200 grams |

2 marks

5   Sasha is using a map.

Each cm on the map represents 12km.

Sasha measured the distance between some cities on the map, she found:

- the distance between London and Birmingham is 12 cm
- the distance between Leeds and Liverpool is 8.5 cm

What is the actual **difference** between the two distances in km?

Show Your method

```
   11 1
   1̶ 2̶.0       12 x 3.5     12 x 3 = 36
 -   8.5                    12 x 0.5 = 6
     3.5
```

| 42 km |

2 marks