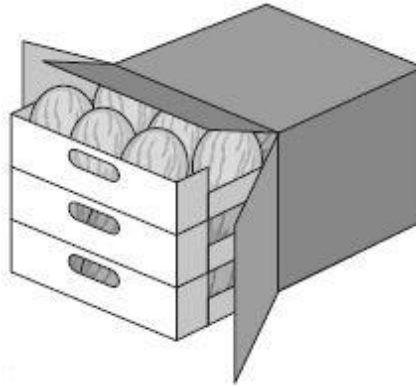**Q1.**

A box contains trays of melons.

There are 15 melons in a tray.

There are 3 trays in a box.

A supermarket sells **40** boxes of melons.

How many melons does the supermarket sell?

Show your method

melons

Q2.

Chen uses these digit cards.

| 5 | 6 | 9 |

She makes a 2-digit number and a 1-digit number.

She multiplies them together.

Her answer is a **multiple of 10**

What could Chen's multiplication be?

1 mark

Q3.

The mass of a 10p coin is 6.5 g.

The mass of a 5p coin is half the mass of a 10p coin.

What is the mass of these six coins **altogether**?

Show your method

g

2 marks

Q4.

Complete these calculations.

$$15 \quad \times \quad 100 \quad = \quad \boxed{}$$

$$\boxed{} \quad \times \quad 10 \quad = \quad 1500$$

$$\boxed{} \quad \div \quad 100 \quad = \quad 150$$

$$150 \quad \div \quad 10 \quad = \quad \boxed{}$$

2 marks

Q5.

Dev has a bag of 50p coins and Holly has a bag of 20p coins.

Dev's bag   Holly's bag

Both bags have the same amount of money in.

There are **thirty** 50p coins in Dev's bag.

How many 20p coins are there in Holly's bag?

Show your method

20p coins

2 marks

Q6.

Use the digits **2, 3** and **4** once to make the multiplication which has the **greatest product.**

		×	

1 mark

Mark schemes

Q1.

Award **TWO** marks for the correct answer of 1800

If the answer is incorrect, award **ONE** mark for evidence of appropriate complete method with no more than one arithmetic error, e.g.

- 40 × 15 = 500 *(error)*
  500 × 3 = 1500

   > ***Do not*** *accept sight of a correct multiplication, e.g. 40 × 15 × 3, for **ONE** mark unless part of the calculation is evaluated correctly.*
   > *Misreads are **not** allowed.*

If no answer is given, the first part of the calculation must be evaluated correctly for the award of **ONE** mark, e.g.

- 15 × 3 = 45
  45 × 40 =

OR

- 40 × 15 = 600
  600 × 3 =

OR

- 40 × 3 = 120
  120 × 15 =

Up to 2m

[2]

Q2.

95 × 6 **OR** 96 × 5

[1]

Q3.

Award **TWO** marks for the correct answer of 29.25g.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- 6.5 ÷ 2 = 3.25
  3 × 6.5 = 20.5 (*error*)
  3 × 3.25 = 9.75
  20.5 + 9.75

OR

- 10p + 5p weigh 6.5g + 3.25g = 9.75
  3 of each coin = 9.75 × 3

Q4.

Award **TWO** marks for all four values correct as shown:

15 × 100 = ┌─────┐
           │ 150 │
           │ 0 │
           └─────┘

┌─────┐
│ 150 │ × 10 = 1500
└─────┘

┌──────┐
│ 1500 │ ÷ 100 = 150
│ 0   │
└──────┘

150 ÷ 10 = ┌────┐
           │ 15 │
           └────┘

If the answer is incorrect, award **ONE** mark for three values correct.

Up to 2

[2]

Q5.

Award **TWO** marks for the correct answer of 75

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:

- 30 × 50 = 1500
  1500 ÷ 20

OR

- 30 × 50p = £15
  5 20p coins make £1
  5 × 15

OR

- 50p ÷ 20p = 2.5
  30 × 2.5

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]

Q6.

┌───┬───┐   ┌───┐
│ 3 │ 2 │ × │ 4 │
└───┴───┘   └───┘

U1

[1]