**1** Write these masses in order, starting with the **lightest**.

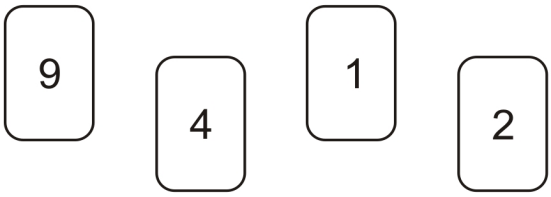
1.25 kg  0.99 kg  1.025 kg  0.009 kg

| kg | kg | kg | kg |
|---|---|---|---|

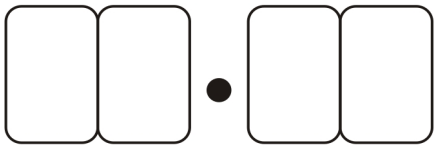
**lightest**

1 mark

**2** Here are four digit cards.




Use each digit card **once** to make the decimal number **nearest to 20**



**1 mark**

**3** Circle two decimals that have a difference of 0.5

0.2  0.25  0.4  0.45  0.6  0.75

1 mark

**4** Here are five number cards.

| 0.47 | 10 | 100 | 1000 | 4.07 |
|---|---|---|---|---|

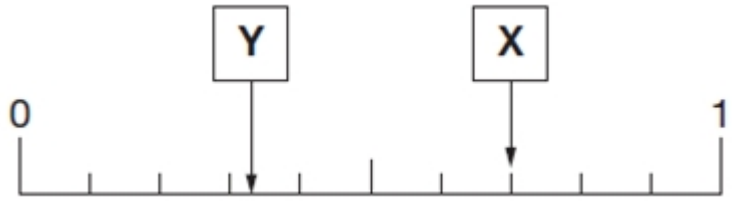
Use **four** of the cards to complete these calculations.

$47 \div \square = \square$

$\square \times \square = 40.7$

1 mark

**5** Here is a number line.




What is the value of **X**?

**X =**

1 mark

Estimate the value of **Y**.

**Y =**

1 mark

**6** Write in the missing numbers.

| Number | Rounded to the nearest **whole** number |
|---|---|
| 5.05 | |
| 5.55 | |
| 4.45 | |
| 4.54 | |

2 marks

**7** Circle the number that is closest to 20

19.95 20.1 19.09 20.09 20.201

1 mark

**8** Look at this number.

23,451.96

Write the **digit** that is in the hundreds place.

1 mark

Write the **digit** that is in the hundredths place.

1 mark

**9** 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

**10** Write the missing number to make this **division** correct.

$0.3 \div \square = 0.03$

1 mark

## Mark schemes

**1** Masses in correct order, as shown:

| 0.009 kg | 0.99 kg | 1.025 kg | 1.25 kg |
|---|---|---|---|

**lightest**

*All masses must be in the correct order for the award of **ONE** mark.*

*Accept for **ONE** mark the masses written in reverse order **AND** the label lightest has been changed to follow suit.*

*Misreads and transcription errors are **not** allowed.*

**[1]**

**2** 19.42

**[1]**

**3** 0.2 **(0.25)** 0.4 0.45 0.6 **(0.75)**

***Do not** award the mark if additional incorrect numbers are circled.*

*Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.*

**[1]**

**4** 47 ÷ **100** = **0.47**

**AND**

4.07 × **10** = **40.7**

*Numbers within calculations may be given in either order.*

**[1]**

**5** (a) 0.7

*Accept equivalent fractions.*

**1**

(b) Answer in the range 0.3 to 0.35 exclusive

*Accept fractions, eg* $\frac{1}{3}$

***Do not** accept 0.3 **OR** 0.35*

**1**

*If the answer to (a) is in the range 0.3 to 0.35 exclusive **AND** the answer to (b) is 0.7, then award **ONE** mark for (b).*

**[2]**

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

| Number | Rounded to the nearest **whole** number |
|---|---|
| 5.05 | **5** |
| 5.55 | **6** |
| 4.45 | **4** |
| 4.54 | **5** |

If the answer is incorrect, award **ONE** mark for three numbers correctly rounded.

**Up to 2**

**[2]**

**7** Number circled as shown:

19.95 20.1 19.09 20.09 20.201

*Accept alternative unambiguous indications, eg number ticked, crossed or underlined.*

**[1]**

**8** (a) 4

***Do not** accept four **OR** 400*

**1**

(b) 6

***Do not** accept six **OR** $\frac{6}{100}$*

**1**

**Commentary:** This question assesses place value in whole numbers up to 1,000,000 (5N3a) and in decimals (5F6b).

**[2]**

**9** 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

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

**Up to 2**

**[2]**

**10** 10

**[1]**