Spicy Reasoning Week 6 Year 5

Q1.

The temperature **inside** an aeroplane is **20 °C**.

The temperature **outside** the aeroplane is **–30 °C**.

What is the **difference** between these temperatures?

degrees

1 mark

Q2. These are the prices in a fish and chip shop.

Fish		£1.95
Chips	small bag	55p
	large bag	70p
Peas		38p

Luke has **£3**

He wants to buy one fish, peas and two large bags of chips.

How much **more** money does he need?

Show your **working**. You may get a mark

2 marks

Q3.

A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

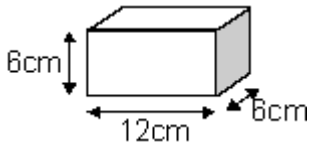
She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?

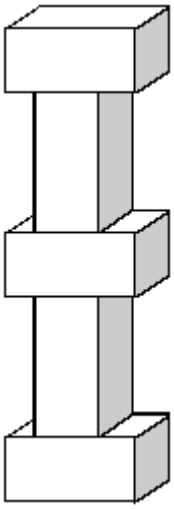
2 marks

Q4. Martin has some bricks.

They are 12cm long, 6cm high and 6cm deep.



He builds this tower with **five** bricks.



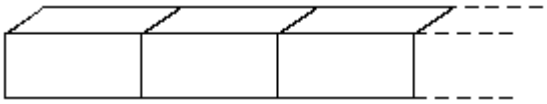
How tall is the tower?

cm

1 mark

Each brick is 12cm long.

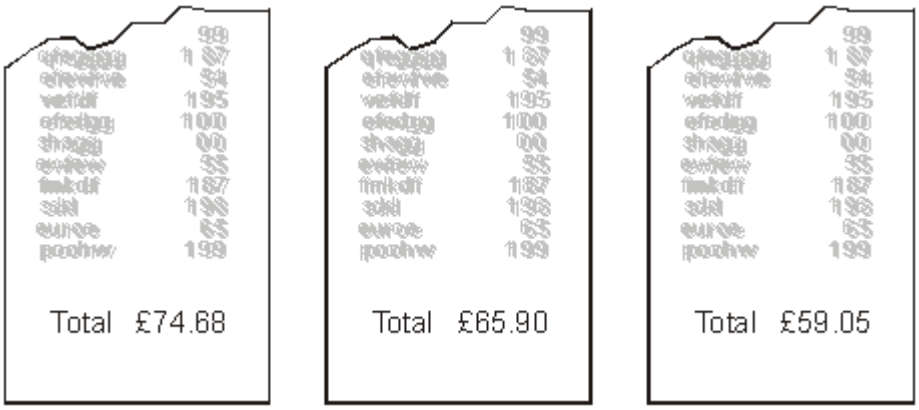
Martin makes a line of bricks **132cm long**.



How many bricks does he use?

1 mark

Q5. Here are three supermarket bills.



Tom rounds each bill **to the nearest £10** and then adds them up.

What is the total amount that Tom gets?

£

1 mark

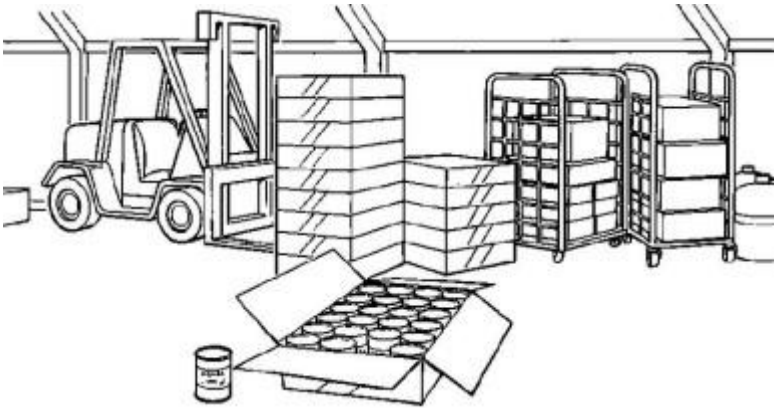
Mary adds up the three bills **exactly**.

What is the total difference between her total and Tom's total?

Show your **working**. You may get a mark

2 marks

Q6.



In a supermarket storeroom there are

7 boxes of tomato soup

5 boxes of pea soup

4 boxes of chicken soup

There are **24 tins** in every **box**.

How many **tins** of soup are there **altogether**?

Show your **working**. You may get a mark

2 marks

ANSWERS!!

M1. 50

Accept –50

M2. Award **TWO** marks for the correct answer of 73p **OR** £0.73

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

- 195 + 38 + (70 × 2) = 373
- 373 – 300

*Accept for **ONE** mark £73p **OR** 0.73p **OR** £73 as evidence of appropriate method.*

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

Up to 2

M3. Award **TWO** marks for the correct answer of 250

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

- 150 × 5 = 750
- 1000 – 750 = wrong answer

Calculation must be performed for the award of** ONE **mark.

Up to 2

M4. (a) 42

1

(b) 11

1

M5. (a) £200

1

(b) Award **TWO** marks for the correct answer of 37p **OR** £0.37

OR

for finding the correct difference between £199.63 and the answer given for 13a

*Answer to (a) must be a multiple of £10 for the award of **TWO** follow-through marks.*

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

74.68 + 65.90 + 59.05 = 199.63

200 – 199.63

OR

for evidence of an appropriate method to find the correct difference between £199.63 and the answer given for (a).

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

*Accept for **ONE** mark £37p **OR** 0.37p **OR** £37 as evidence of appropriate method.*

Up to 2

M6. Award **TWO** marks for the correct answer of 384

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

7 + 5 + 4 = 16

16 × 24

OR

7 × 24

5 × 24

+ 4 × 24

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

Up to 2