



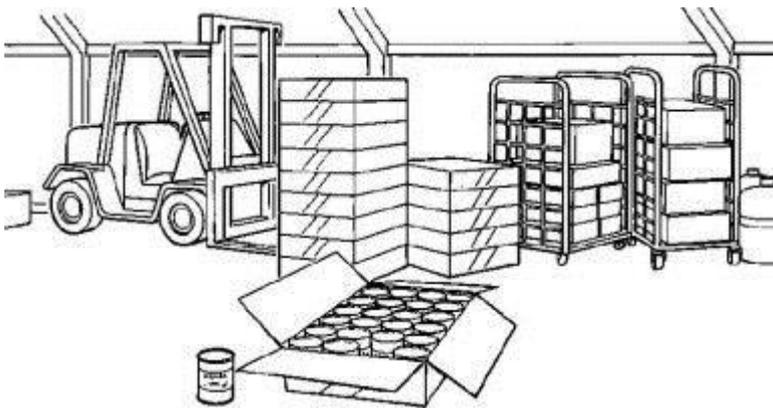
**Q3.**

Write the two missing digits to make this **long multiplication** correct.

$$\begin{array}{r} \phantom{\times} \phantom{4} \square \\ \times \phantom{4} \square 6 \\ \hline 2 \phantom{4} 6 \\ 8 \phantom{2} 0 \\ \hline 1 \phantom{0} 6 6 \end{array}$$

2 marks

**Q4.**



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**?

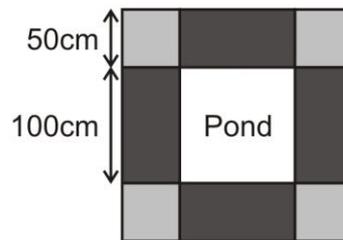
Show your method

2 marks

**Q5.**

Mr Singh buys paving slabs to go around his pond.

PAVING SLABS	
£1.95 each	Square slabs 50cm by 50cm
	
£3.50 each	Rectangular slabs 100cm by 50cm
	



He buys 4 rectangular slabs and 4 square slabs.

What is the total cost of the slabs he buys?

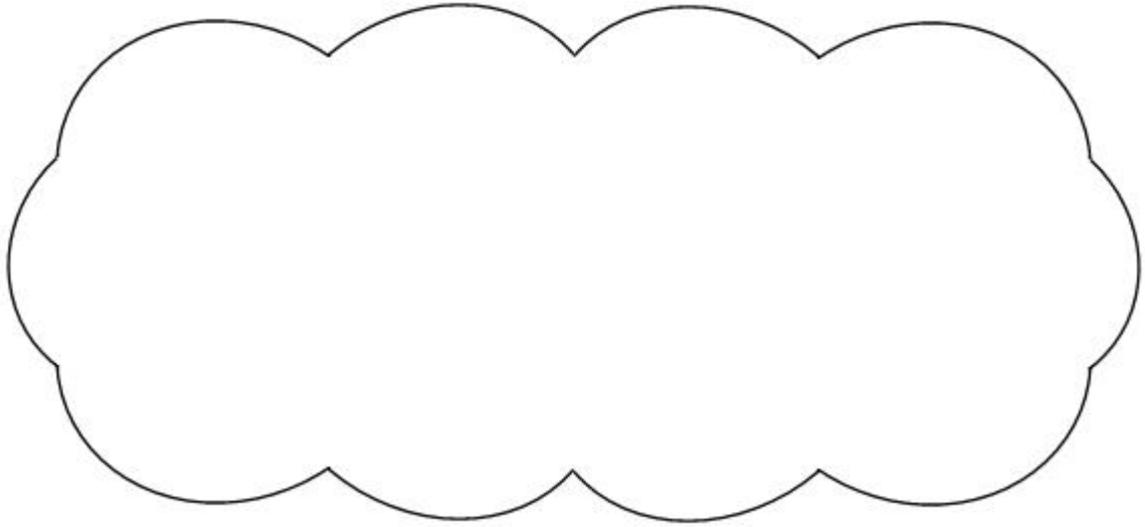
Show your method

2 marks

Mr Singh says,

'It would cost more to use square slabs all the way round'.

Explain why he is correct.



1 mark

## Mark schemes

### Q1.

Award **THREE** marks for the correct answer of 7,174

If the answer is incorrect, award **TWO** marks for:

- evidence of an appropriate complete method which contains no more than **ONE** arithmetic error, e.g.

$$\begin{array}{r} 53 \\ \times 68 \\ \hline 3504 \text{ (error)} \end{array} \qquad \begin{array}{r} 105 \\ \times 34 \\ \hline 3570 \end{array}$$

$$3,504 + 3,570 = 7,074$$

Award **ONE** mark for:

- evidence of an appropriate method with more than **ONE** arithmetic error.

**OR**

- sight of 3,604 as evidence of long multiplication step ( $68 \times 53$ ) completed correctly.

**OR**

- sight of 3,570 as evidence of long multiplication step ( $105 \times 34$ ) completed correctly.

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

*A misread of a number may affect the award of marks. No marks are awarded if there is more than **ONE** misread or if the mathematics is simplified.*

***TWO** marks will be awarded if an appropriate method with the misread number is followed through correctly.*

***ONE** mark will be awarded for evidence of an appropriate method with the misread number followed through correctly with no more than **ONE** arithmetic error.*

Up to 3m

[3]

### Q2.

Numbers circled as shown:

200    2,000    5,000    50,000

*Accept alternative unambiguous positive indications, e.g. numbers ticked or underlined.*

[1]

### Q3.

Award **TWO** marks for both digits correct, as shown:

$$\begin{array}{r}
 \phantom{\times} \phantom{2} \phantom{4} \phantom{6} \\
 \phantom{\times} \phantom{2} \phantom{4} \phantom{6} \\
 \phantom{\times} \phantom{2} \phantom{4} \phantom{6} \\
 \times \phantom{2} \phantom{4} \phantom{6} \\
 \hline
 2 \phantom{4} \phantom{6} \\
 8 \phantom{2} \phantom{0} \\
 \hline
 1 \phantom{0} \phantom{6} \phantom{6}
 \end{array}$$

If the answer is incorrect, award **ONE** mark for one digit correct.

Up to 2

[2]

**Q4.**

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

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

$$7 + 5 + 4 = 16$$

$$16 \times 24$$

**OR**

$$7 \times 24$$

$$5 \times 24$$

$$+ 4 \times 24$$

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

Up to 2

[2]

**Q5.**

(a) Award **TWO** marks for the correct answer of £21.80

*Accept £21.80p **OR** £21 80*

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

$$3.50 \times 4 = 14.00$$

$$1.95 \times 4 = 7.80$$

$$14.00 + 7.80 = \text{wrong answer}$$

*Accept for **ONE** mark £2180p **OR** £2180 **OR** £21.8 as evidence of appropriate working.*

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

Up to 2

(b) An explanation which recognises that each square slab costs more than half a rectangular slab or equivalent, eg

- 'Half of £3.50 is £1.75, which is less than £1.95';
- 'Two square slabs cost more than one rectangular slab';

- 'Because 12 squares cost £23.40';
- 'Because it would cost £1.60 more'.
  - Do not** accept vague or arbitrary explanations, eg
    - 'Because he would need more slabs';
    - 'Because square slabs are cheaper than rectangular slabs';
    - 'Because it costs more';
    - 'He is right because the square slabs are £1.95 each and the rectangular slabs are £3.50 each'.

1

[3]