SKILLSFIRST LEVEL 1 FUNCTIONAL SKILLS QUALIFICATION IN MATHEMATICS

SECTION A - QUESTION AND ANSWER PAPER (RFSML1SAM01)

NON-CALCULATOR – 30 MINUTES

SAMPLE ASSESSMENT MATERIAL
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Do not open this paper until you are told to do so by the invigilator.

Overall assessment marks available: **60**
Overall assessment time limit: **2 HOURS**

There are **TWO** Sections to this assessment:
- **Section A** includes Task 1. You **must not** use a calculator for this section.
  Total marks available: 15. Time limit: 30 minutes
- **Section B** includes Task 2, 3 and 4. You can use a non-scientific calculator for this section
  Total marks available: 45. Time limit: 1 hour and 30 minutes

For Section A you need:
- This question and answer paper
- A pen with black or blue ink
- A pencil
- A ruler

_____
INTERNET ACCESS IS NOT PERMITTED AND YOU MUST NOT USE A CALCULATOR

The invigilator will stop the assessment after 30 minutes. You must hand in this question and answer paper at this point.

The invigilator will then hand out **Section B** and a non-scientific calculator. You will then have a further 1 hour and 30 minutes to complete **Section B**.
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Instructions
1. Please sign and date below to confirm that your details are correct and that you have understood the instructions.
2. Read each task and question carefully.
3. Remember to show all your workings out clearly.
4. The number of marks available for each question is shown in brackets. Use these marks to guide you on how long to spend on each question.
5. Answer **all** questions using the space provided on this question and answer paper.
6. If you have time, check your work for **Section A** at the end. Once you have handed in this question and answer paper, you will not be able to check this again.
7. If you use extra paper, write your name, learner number and the question number you are answering on it and securely attach it to this question and answer paper.

Learner full name: ……………………………………………………………………

Learner number: …………………… Centre number: ……………………

Learner signature: ……………………………. Date: ……………………………….

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Section A

Task 1 (15 marks)

Question 1

Diagram not drawn to scale

7.4m

6.2m

4m

12.6m

6.4m

11.4m
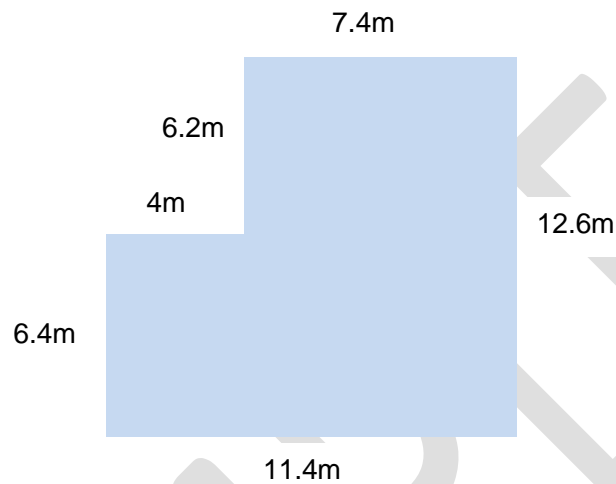
Calculate the perimeter of the shape. (2 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 2

Calculate 17^2. (1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 3

There is a ratio of 6:1 red marbles to white marbles.

There are 42 red marbles in total. How many white marbles are there? (1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 4

Calculate 14.73 + 18.49 (1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 5

Calculate 46.8 ÷ 100 (1 mark)

Show your calculations and/or workings out here:
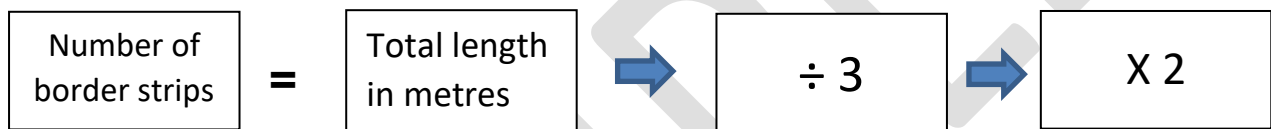
Write your answer in this box.

Question 6

a) Janice wants to put border strips around **three** sides of her square lawn. The length of one side of the lawn is 14 metres.

Border strip

To calculate the number of strips she needs, Janice follows this rule:

| Number of border strips | = | Total length in metres | → | ÷ 3 | → | X 2 |

Each border strip costs £9.89.

Show an **estimate** of the cost of the required number of border strips.   (4 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

b) Janice wants to paint the fence panels in her garden. Each fence panel needs approximately 300 ml of paint. She buys 2 tins of paint. Each tin contains 1.5 litres of paint.

How many fence panels can she paint before she runs out?   (2 marks)
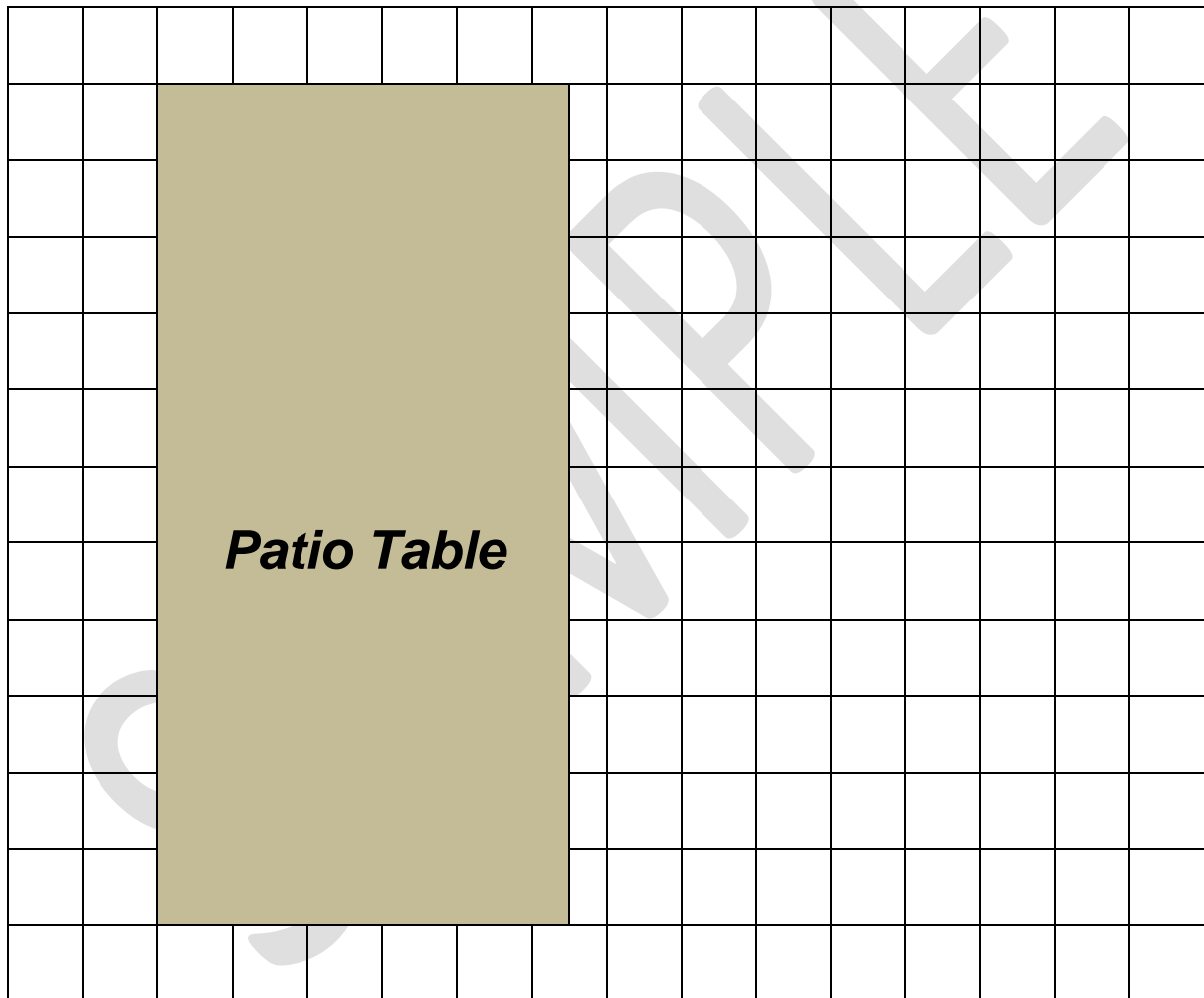
Show your calculations and/or workings out here:

Write your answer in this box.

c) Janice wants to buy a table to put in her patio area. She draws a diagram of her patio to show the size of table she wants.

   What are the actual measurements of the table Janice wants?
   (2 marks)

Scale

1 box = 20cm x 20 cm

Patio Table

Show your calculations and/or workings out here:

Write your answers in this box.

Question 7

Janice wants to buy new carpet for her bedroom. The bedroom is rectangular and has a floor area of 30m^2.

Complete the table below to show the dimensions of her bedroom.   (1 mark)

Bedroom	
Length	
Width	4m

Show your calculations and/or workings out here:

[End of Section A]

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