SKILLSFIRST LEVEL 2 FUNCTIONAL SKILLS QUALIFICATION IN MATHEMATICS

SECTION A - QUESTION AND ANSWER PAPER (RFSML2SAM01)

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

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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

The table below shows the distances walked by Jay each day in a week.

Day of week	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Distance walked	$1\frac{1}{2}$ miles	$\frac{3}{4}$ mile	$\frac{1}{2}$ mile	$\frac{1}{3}$ mile	$\frac{1}{3}$ mile	$\frac{3}{4}$ mile	0 miles

What was the total distance Jay walked over the whole week?   (2 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 2

Put these fractions in order of size, smallest to largest:

$$\frac{4}{3} \qquad \frac{3}{4} \qquad \frac{3}{8} \qquad \frac{5}{8} \qquad \frac{7}{6}$$

(1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 3

Calculate 273696 ÷ 24. (1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

Question 4

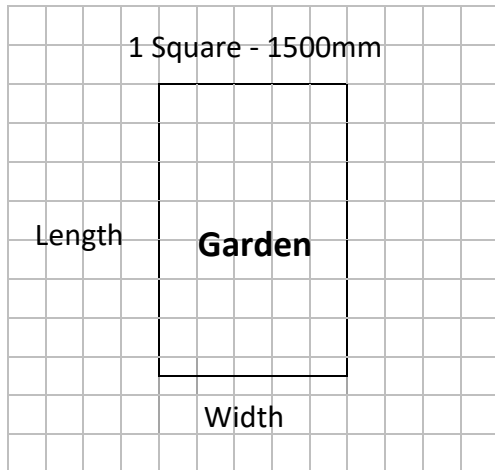Calculate the surface area of a cube when the length of a side a = 15cm.   (2 marks)

Surface area = $6a^2$

Show your calculations and/or workings out here:

Write your answer in this box.

Question 5

a) Simon is redesigning his garden. He has drawn his garden on the diagram below where 1 square = 1500mm.

1 Square - 1500mm

Length

Garden

Width

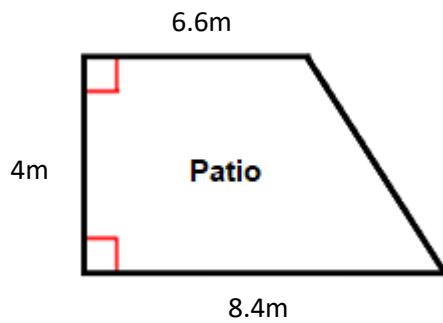Using the grid, calculate the actual length of the garden in metres?   (2 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

b) Simon is planning to build a patio in his garden. The patio will have four sides.

He has drawn a sketch of the patio below.

Sketch not drawn to scale

6.6m

4m

Patio

8.4m

Calculate the area of the patio.   (3 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

c) For the foundation of the patio, Simon will use a dry mixture of sand and cement.

He will need 20kg of mixture for each square metre of patio.

To make the mixture he needs to mix sand and cement in the ratio of 5:1.

Calculate how many 25kg bags of cement he will need.   (4 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

[End of Section A]

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