


Candidate name:	
Functional skills Level 2	Mock 1
Mathematics Section A-Non-Calculator Time: 15 minutes	
You must have: Pen, pencil, eraser, ruler, protractor, compass.	
My signature confirms that I will not discuss the content of the test with anyone Signature:	Total marks

Instruction

- Use **black** ink or ball-point pen
- Answer **all** questions
- Write your final answer in the box provided
- Answer the questions in the space provided- *there may be more than you need*
- You **must** show clearly how you get your answers in the spaces provided. Marks will be awarded for your working out.
- Check your working and your answer at each stage.
- The diagrams are **not** accurately drawn, unless otherwise indicated.
- Take the value of π to be 3.14
- **Calculators may not be used**

Information

- The total for this section is 10
- The marks for each question are shown in brackets
-use this as a guide to how much time to spend on the question
- This sign shows where marks will be awarded for showing your checks

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end

Turn over ➤

Functional Skills Maths: Mock 1 Assessment

FS Maths Assessment at Level 2

Why are you doing this assessment?

The purpose of this assessment is to find out how we can help you achieve success in your FS Maths. We will use this assessment to identify areas of strength and areas for development with your Maths skills.

On completion of this assessment your tutor will set you individual targets to support the development of your skills.

You will be given **75 minutes** to complete this assessment (15 minutes for Non-calculator paper / 60 minutes for Calculator paper)

10 marks are available on the non-calculator paper and 30 marks are available on the calculator paper.

What you need to do

- Complete the assessment in handwritten form (you may use a calculator on the **designated calculator paper only**)
- You are allowed **75 minutes** to complete the assessment.
- You must clearly show all your working out and calculation methods.
- If you have already confirmed with us exam access arrangements, you will have these in place for these assessments.

1 Bob is a builder.

On Monday he made mortar mix.

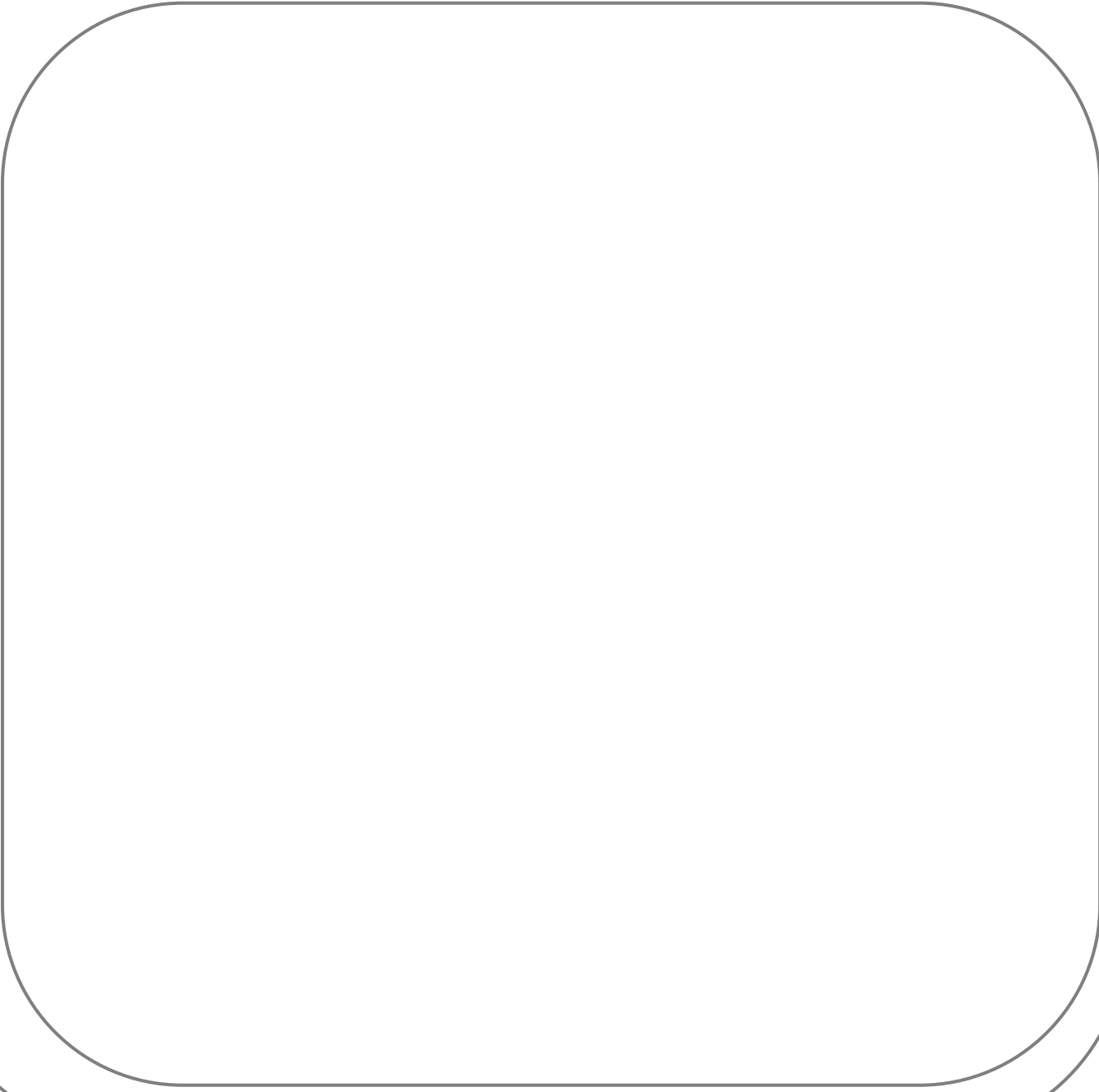
He used 24kg of sand and 5kg of cement.

On Tuesday Bob will make the same type of mortar mix.

He will use 36kg sand.

How much cement does he need to make the same type of mortar mix? (3)

Show your working and your answer in the box below.



2 (a) Write 2.71828 correct to 3 decimal places.

(1)

(b) Here is a formula.

$$P = 3T^2$$

Work out the value of P when T = 10

(2)

3 Lizzie buys 3 clocks for a total of £50 at a car boot sale.

She sells 2 of the clocks for £22 each and the other clock for £20.

Lizzie thinks she has made a profit of over 30% of the cost of the clocks.

Is Lizzie Correct?

(4)

Show why you think this.

End