



FUNCTIONAL SKILLS MATHS & ENGLISH

LEVEL 1 & 2 EXAMS

WHO WE ARE

Leading training company for 26 years

Intech Centre is an established training provider based in Islington, London, with over 26 years of experience in delivering education, employability and digital skills programmes.

Intech Centre specialises in **Functional Skills English and Maths Level 1 & 2**, helping learners successfully pass Level 1 and Level 2 Functional Skills exams required for university entry, apprenticeships, teacher training, nursing courses and many other professional pathways.

Thousands of learners have used our resources, courses and exam services to achieve nationally recognised qualifications.

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SERVICES

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- Functional Skills Maths
- Functional Skills English

Tutoring

- Functional Skills Maths & English Exam Tutoring

EXAMS

- ➔ Functional Skills **Maths** Level 1 or 2 Exam **in London**
- ➔ Functional Skills **English** Level 1 or 2 Exam **in London**
- ➔ **Online** Functional Skills **Maths** Level 1 or 2 Exam
- ➔ **Online** Functional Skills **English** Level 1 or 2 Exam



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Please write clearly in block capitals.

Centre number

Candidate number

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

Functional Skills Level 2 MATHEMATICS

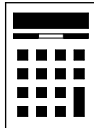
Paper 2 Calculator

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.



Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.
- State the units of your answer where appropriate.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.
- If your calculator does not have a π button, take the value of π to be 3.142

Advice

In all calculations, show clearly how you work out your answer.

For Examiner's Use	
Question	Mark
1–6	
7	
8	
9	
10	
TOTAL	



Section AAnswer **all** questions in the spaces provided.

- 1** The probability of an event happening is $\frac{3}{5}$

Circle the probability of the event **not** happening.**[1 mark]**

1

 $\frac{2}{5}$ $\frac{3}{5}$

0

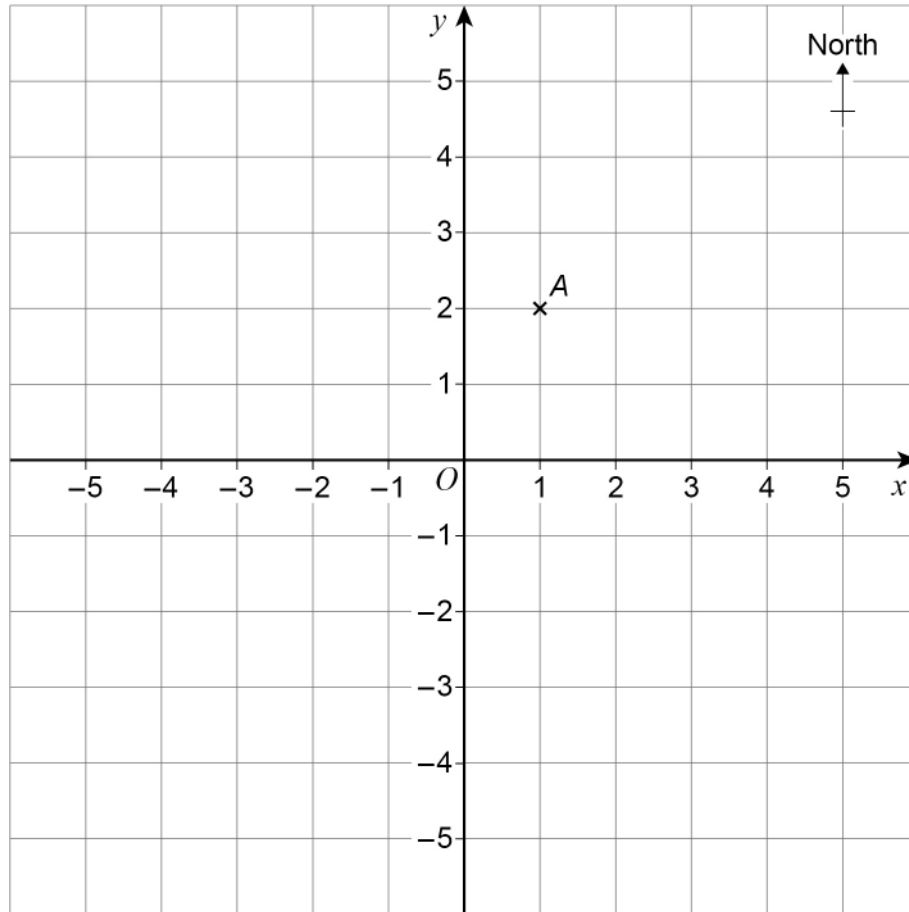
- 2** $x = 5$ and $y = -3.2$

Work out the value of $x + y^2$ **[2 marks]**

Answer _____



3



A is the point $(1, 2)$

B is the point

3 squares West of A

and

5 squares South of A .

Work out the coordinates of B .

[2 marks]

Answer (_____ , _____)

Turn over ►



4 In the boxes, write the number that is

3 more than -8

4 less than -2

halfway between -7 and 5

[3 marks]

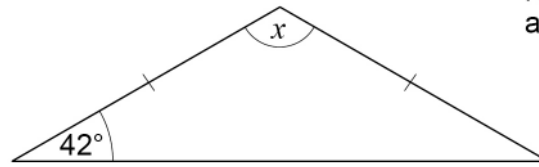
5 Write the ratio $144 : 90$ in its simplest form.

[2 marks]

Answer _____ : _____



6 Here is an isosceles triangle.



Not drawn
accurately

Work out the size of angle x .

[2 marks]

Answer _____^o

12

Turn over for Section B

Turn over ►



- 7 (c)** Jim is thinking of buying solar panels.
The price of these panels has decreased by 27% since 2016
Jim would need to pay £4803.40 for the panels now.

How much would the panels have cost in 2016?

[3 marks]

Answer £ _____

11



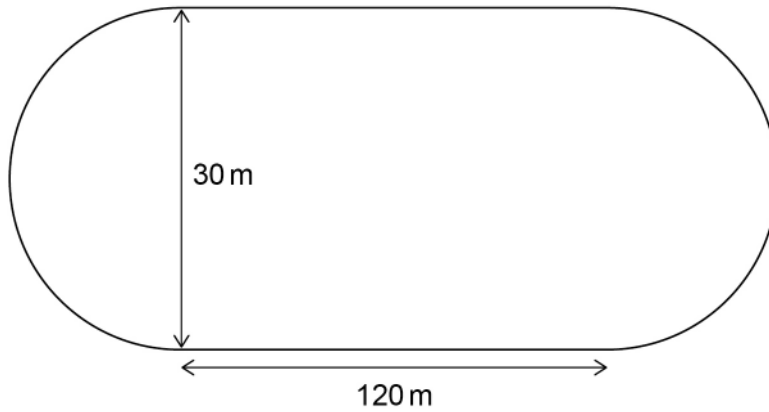
8 Dog

Ben has a dog called Pluto.

8 (a) Ben takes Pluto for a walk.

They walk **4 laps** of a sports track.

The sports track is the shape of two semi-circles joined by two straight sections.



Not drawn
accurately

Ben has a target to walk 5000 m each day.

What percentage of his daily target has Ben completed on this walk?

[5 marks]

Answer _____ %

Question 8 continues on the next page

Turn over ►



8 (b) Pluto needs to eat 420 grams of food each day, in the ratio
wet food : dry food = 2 : 5

Ben buys a 12 kilogram bag of **dry** food.

How many days of **dry** food does the bag provide?

[4 marks]

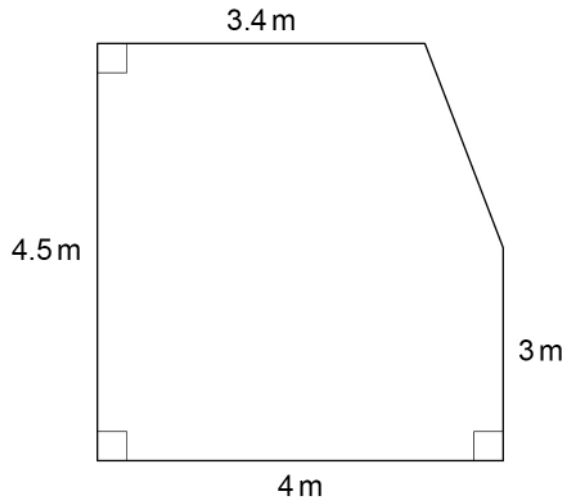
Answer _____ days



10 Conservatory

Molly is building a conservatory.

10 (a) Here is a plan view of the conservatory.



Not drawn
accurately

The conservatory floor will be made of concrete.

The concrete floor will be 0.1 m deep.

What volume of concrete will Molly need for the floor?

State the units of your answer.

[6 marks]

Answer _____

Question 10 continues on the next page

Turn over ►



There are no questions printed on this page

*Do not write
outside the
box*

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**





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