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NCFE Entry Level 2 Functional Skills Qualification in Mathematics


(603/5053/2)

Paper number: Paper 1
Section B: Calculator Test



Time allowed: 1 hour 15 minutes

Learner instructions

- Answer **all** questions.
- Read each question carefully.
- Write your answers in the spaces provided.
- Show your working, as marks may be awarded for working.
- This shows you where to write your working and answers. 
- State units in your answers, where appropriate.
- Check your work.

Learner information

- The maximum mark for this section is **24**.
- The marks available for **each** question are shown in brackets.

Resources

You will need:

- a pen, with black or blue ink
- a pencil and eraser
- a 30 cm ruler
- a calculator.

To be completed by the assessor		Mark
B	Activity 2	/ 8
	Activity 3	/ 8
	Activity 4	/ 8

Please complete the details below clearly and in **BLOCK CAPITALS**.

Learner name _____

Centre name _____

Learner number

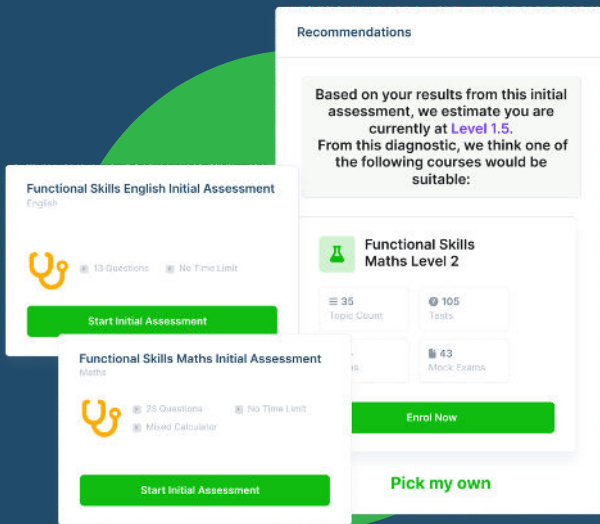
Centre number

Do not turn over until the assessor tells you to do so.

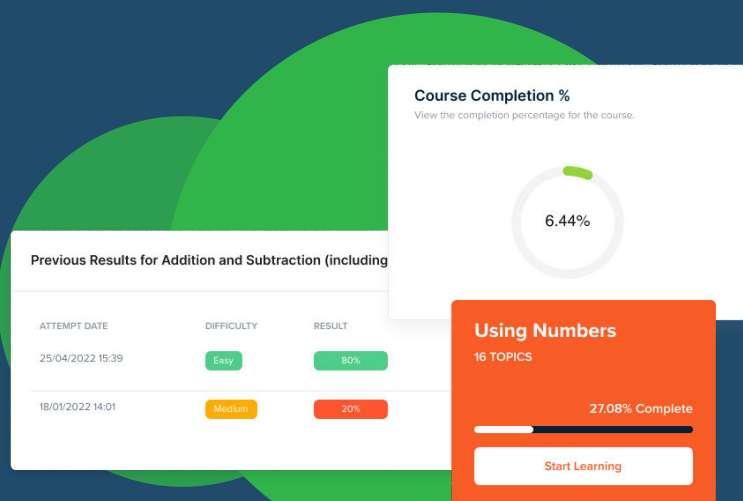
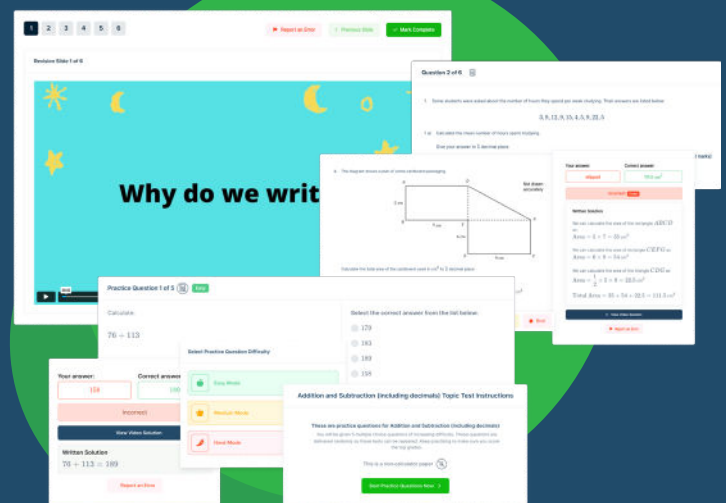


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Activity 2: The leisure centre restaurant

Kate is a customer at the leisure centre restaurant.

2(a) Kate orders food and drinks for herself and her friends.

The food costs £51 and the drinks cost £27

What is the total cost?

[2 marks]



$$£51 + £27 = \underline{\underline{£78}}$$

2(b) Kate uses rounding to the nearest £10 to check the total.

Show how she does this check.

[2 marks]



$$£50 + £30 = \underline{\underline{£80}}$$

2(c) They share the total cost of the meal equally between the six of them.

How much does each person pay?

[2 marks]



$$\frac{\pounds 78}{6} = \pounds 13.$$

Please turn over

- 2(d) They sit on a table shaped like this.



What is the name of the 2D shape of the table?

[1 mark]



Pentagon.

- 2(e) The table has a leg at each corner.

How many legs does the table have?

[1 mark]



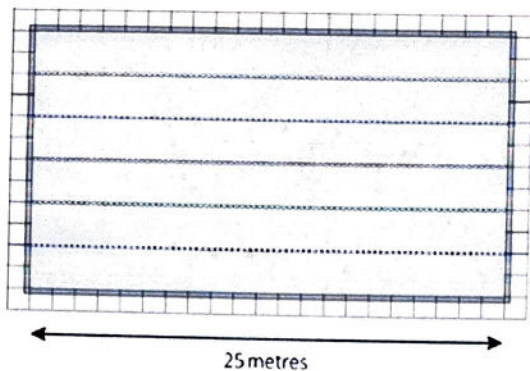
5

[Total marks: 8]

Activity 3: The leisure centre swimming pool

Jadon works as a lifeguard at the pool.

3(a) A person swims 12 lengths of the pool.



Which sum shows the total distance they swim?

Tick (✓) your answer.

[1 mark]

$12 + 25 =$

A ()

$12 \times 25 =$

B (✓)

$12 \div 25 =$

C ()

$12 - 25 =$

D ()

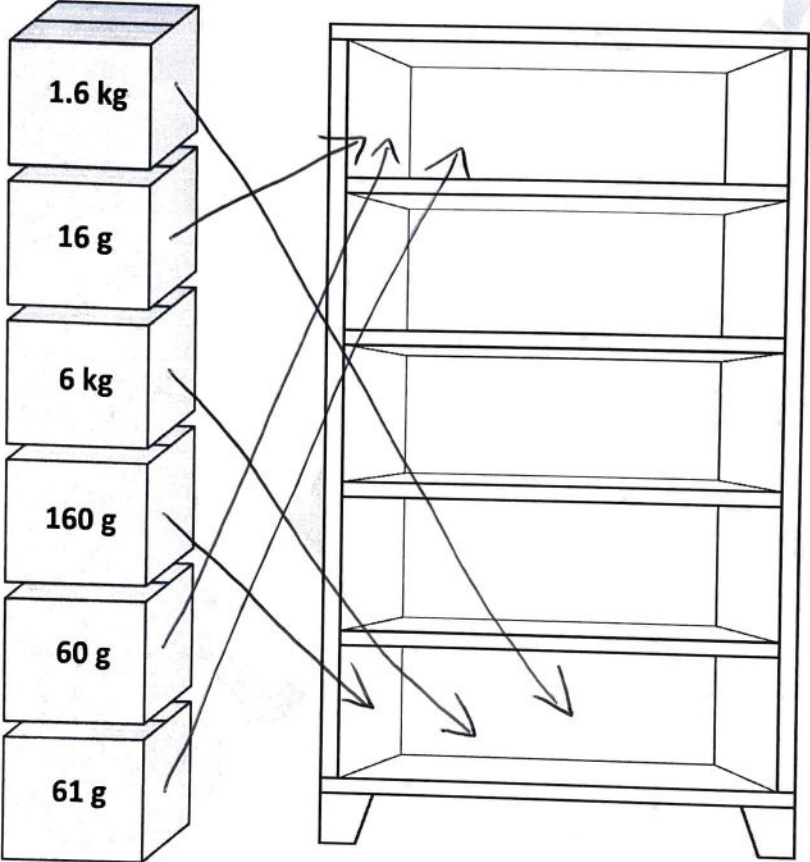
Please turn over

3(b) Jadon is stacking boxes on shelves.

He puts the 3 lightest boxes on the top shelf and the three heaviest on the bottom shelf.

Draw arrows to show which boxes go where.

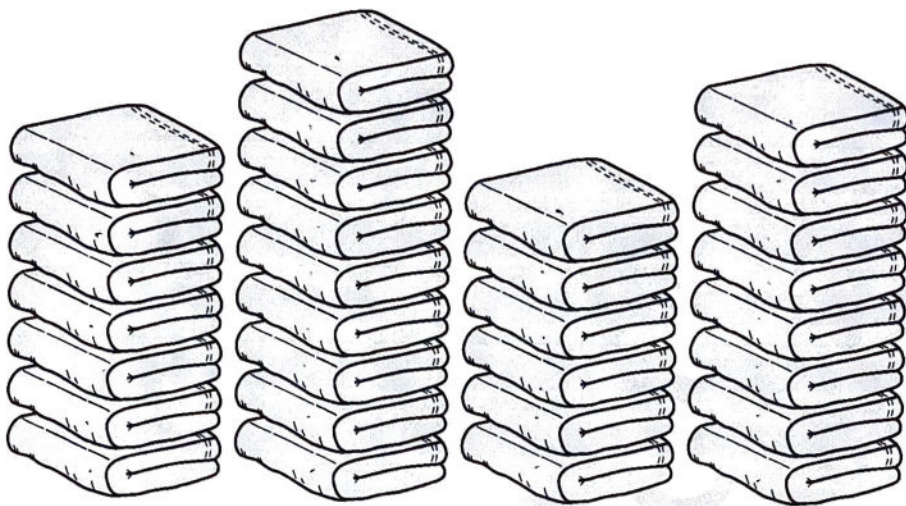
[2 marks]



3(c)

Jadon has 100 towels for the swimmers to use.

He counts how many clean towels he has.



How many towels have been used?

Show your working.

[3 marks]

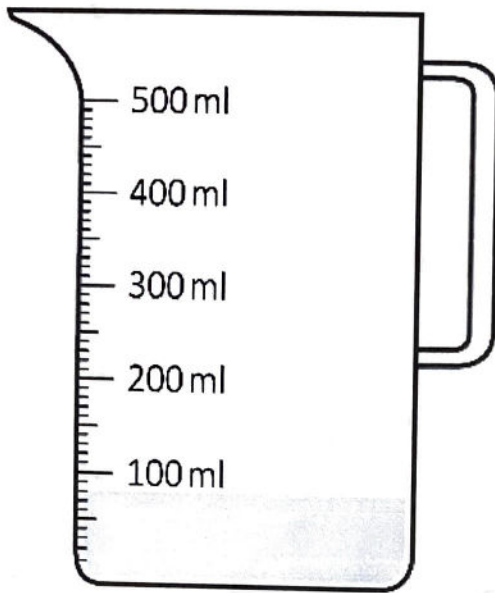


$$100 - 30 = 70$$

Please turn over

3(d)

Jadon uses a measuring jug to measure pool cleaner.



How much pool cleaner is in the jug to the nearest labelled division?

[1 mark]

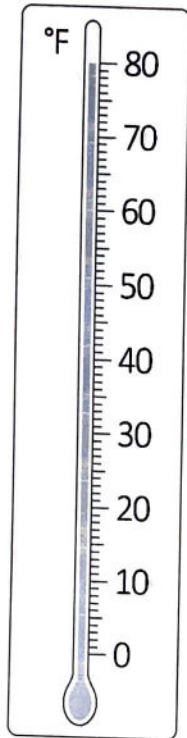


100ml

3(e)

Jadon checks the temperature in the hot tub.

It should be at least 70°F.



Is the hot tub warm enough?

Explain why you think this.

[1 mark]



Yes, it is around 80°F,
which is hotter.

[Total marks: 8]

Please turn over

Activity 4: The leisure centre manager

Shapi is the manager of the leisure centre.

- 4(a) Shapi counts the number of people who used the gym in the last 4 weeks.

Week	Number of people
1	180
2	80
3	160
4	130

How many people used the gym in week 4?

[1 mark]



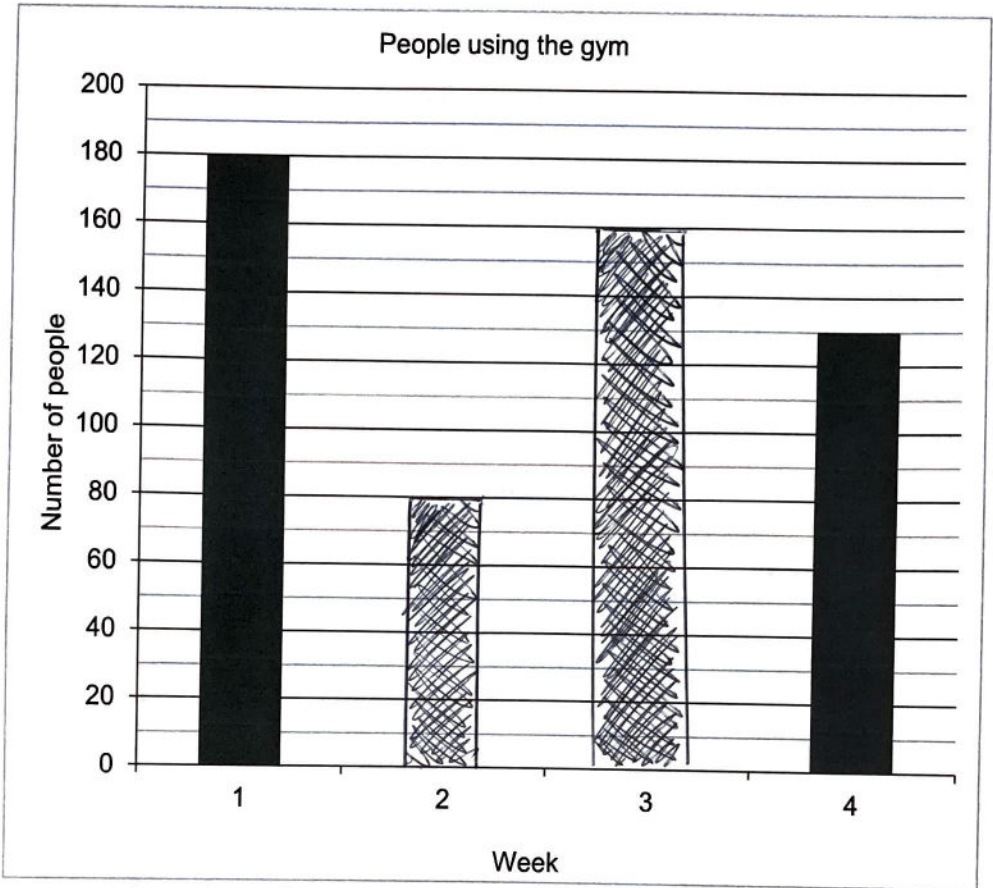
130

4(b) Shapi starts to display the results in a chart.

She has not finished the chart.

Complete the bars for week 2 and 3

[2 marks]



4(c) 120 people have used the gym this week.

Is this more or less than week 4?

[1 mark]



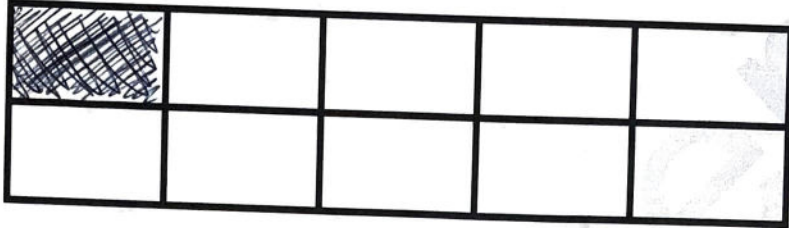
Please turn over

4(d) $\frac{1}{10}$ of the gym is used for treadmills.

Below is a plan of the gym.

Shade $\frac{1}{10}$ of the gym on the plan.

[1 mark]



4(e) What fraction of the gym is **not** used for treadmills?

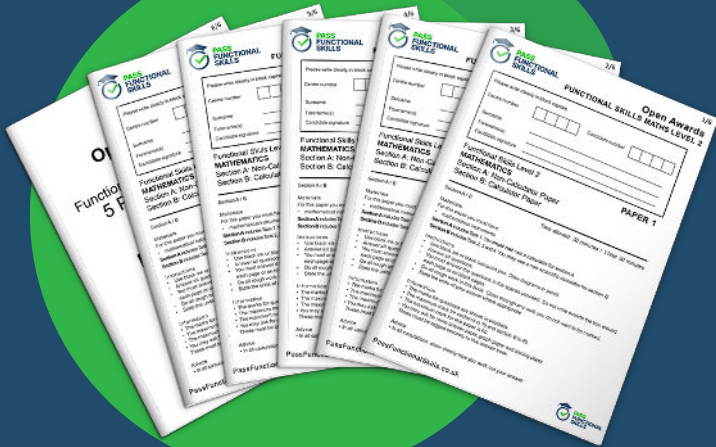
[1 mark]



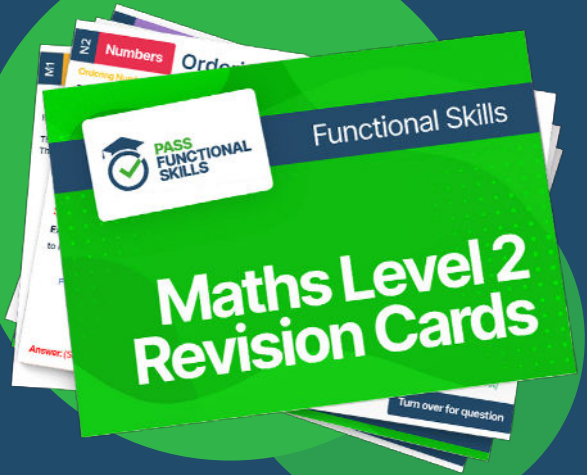
$\frac{9}{10}$



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4(f)

Shapi needs new uniforms for her staff.

T-shirts are:

- black or white
- large or small.

She asks her staff to write what they want on a list.

Kerry: small and black
 Dave : small and white
 Ragi: large and white
 Emille: large and black
 Carla: large and black
 Jo: small and white
 Esta: large and white

Shapi has added the information for Kerry.

Complete the rest of the form.

[1 mark]

	Colour	
Size	Black	White
Small	1	2
Large	2	2



4(g) Waist sizes for trousers go up in sequence.

Size	XXXS	XXS	XS	S	M	L	XL	XXL	XXXL
Measurement			28 cm	30 cm	32 cm				

Shapi is size XXXS.

What measurement will this be?

[1 mark]



$$28 - 2 = 26$$

$$26 - 2 = 24$$

24cm.

[Total marks: 8]

This is the end of the assessment.

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Past paper