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NCFE Entry Level 3 Functional Skills Qualification in Mathematics (603/5061/1)

Paper number: SAM
Section A: Non-calculator Test



Time allowed: 30 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

- Section A contains **Activity 1** only.
- The maximum mark for this section is **10**.
- The marks available for **each** question are shown in brackets.

To be completed by the assessor		Mark
A	Activity 1	/ 10
B	Activity 2	/ 10
	Activity 3	/ 10
	Activity 4	/ 10
TOTAL MARK		/ 40

Resources

You will need:

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

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

Learner name _____

Centre name _____

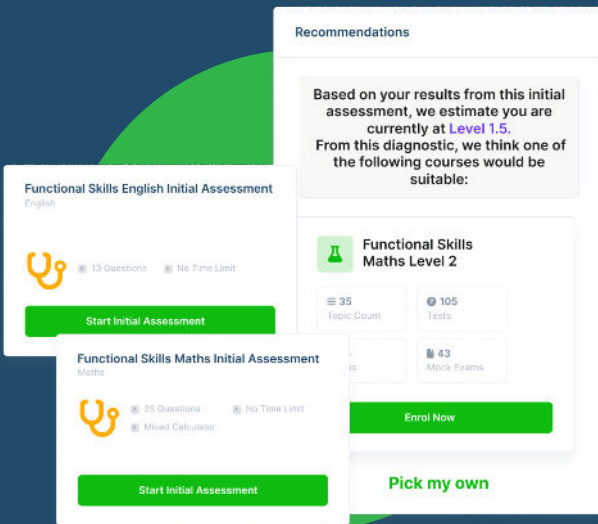
Learner number

Centre number

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

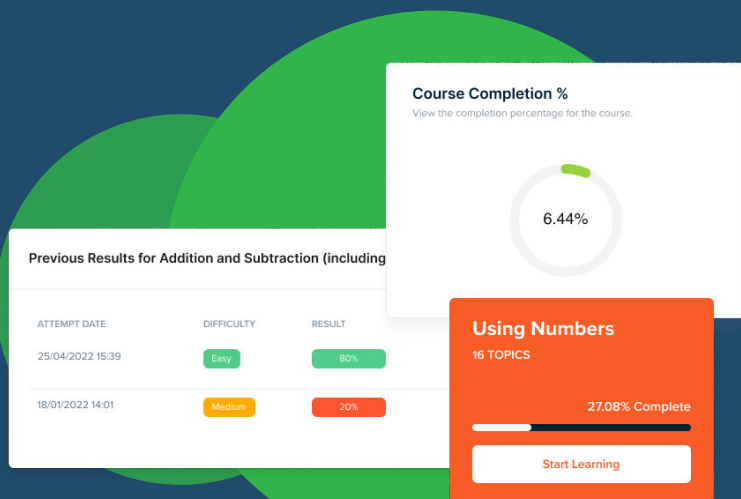
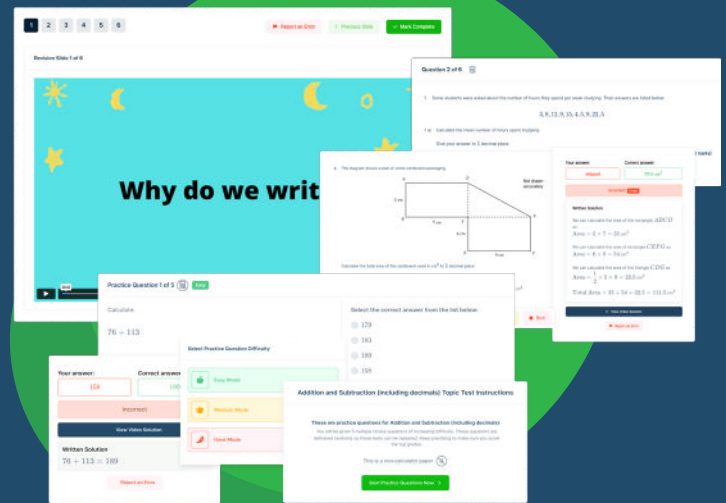


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- ✓ Always know the level you are currently working at
- ✓ Determine when you are ready to sit your exam

- ✓ Explainer videos on every topic
- ✓ Quick-fire style multiple choice questions
- ✓ Test your knowledge with exam-style questions
- ✓ Written solutions for all questions



- ✓ See your progress through as you progress through each topic area
- ✓ Get your average scores for practice questions, topic tests and mock exams
- ✓ View all practice question, topic test and mock exam attempts over time
- ✓ View historical attempts to analyse your progress over time

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Activity 1: Mobile phone shop

Jack is the manager of a mobile phone shop.

- 1 (a) Jack gets the bus to work.

He leaves at **07:40** am.

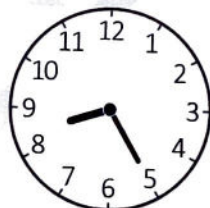
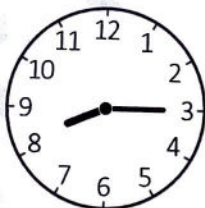
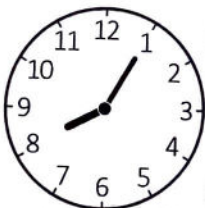
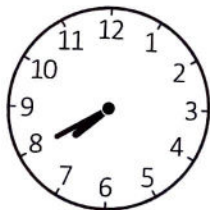
It takes him 25 minutes.

Which clock shows the time Jack arrives at work?



Tick (✓) your answer.

[1 mark]



A ()

B (✓)

C ()

D ()

- 1 (b) Sometimes Jack walks to work.

It takes him 1 hour and 20 minutes.

He needs to arrive at work by **08:15** am.

What is the **latest** time Jack can set off?

[1 mark]



6:55am

- 1 (c) Jack sells all of these mobile phones in one month.

Blueberry	219
Corephone	291
Starflip	216
Elite	231

Jack thinks he has sold more than 1000 phones.

Is he correct? **Show your working.**

[2 marks]



$$219 + 291 + 216 + 231$$

$$= 957$$

No, he is not correct.

Please turn over

1 (d)

Jack sees that $\frac{2}{5}$ of the Elite mobile phones he has sold are silver.

What fraction are **not** silver?

[1 mark]



$\frac{3}{5}$

1 (e)

Jack thinks $\frac{2}{5}$ is equivalent to $\frac{6}{10}$.

He is wrong.

Which of the following **two** fractions are equivalent to $\frac{2}{5}$?

[2 marks]



Tick (✓) two answers.

A () $\frac{2}{10}$

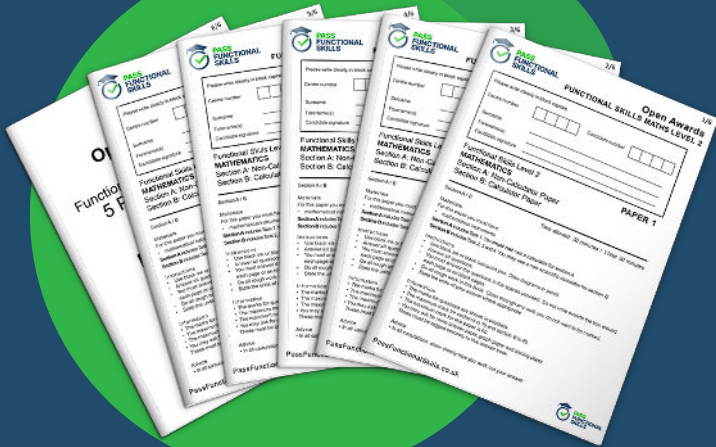
B (✓) $\frac{4}{10}$

C () $\frac{5}{15}$

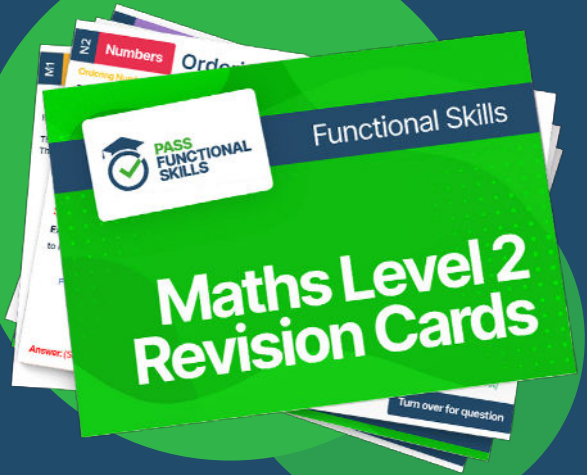
D (✓) $\frac{6}{15}$



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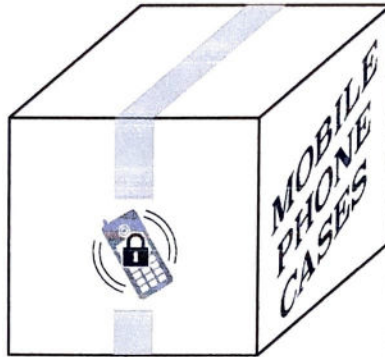


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- 1 (f) Jack has a delivery of mobile phone cases.



18 boxes are delivered.

Each box contains 16 cases.

How many mobile phone cases are delivered in **total**? **Show your working.**

[2 marks]



$$18 \times 16 = \underline{\underline{288}}$$

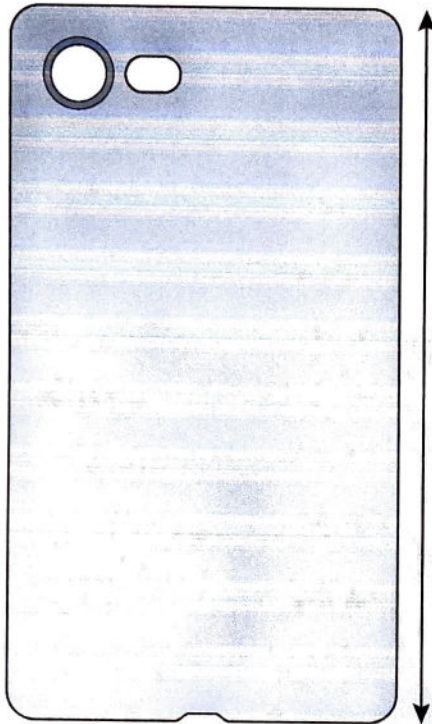
Please turn over

1 (g) Jack measures one of the mobile phone cases.

Measure the longest edge of the phone case.

Write your answer in the space provided.

[1 mark]



11 cm

[Total marks: 10]

This is the end of Section A

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