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# Functional Skills Model Solutions

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## NCFE Entry Level 2 Functional Skills Qualification in Mathematics (603/5053/2)

Paper number: SAM  
Section A: Non-calculator Test



Time allowed: 25 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 **8**.
- The marks available for **each** question are shown in brackets.

To be completed by the assessor		Mark
A	Activity 1	/ 8
B	Activity 2	/ 8
	Activity 3	/ 8
	Activity 4	/ 8
TOTAL MARK		/ 32

### 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

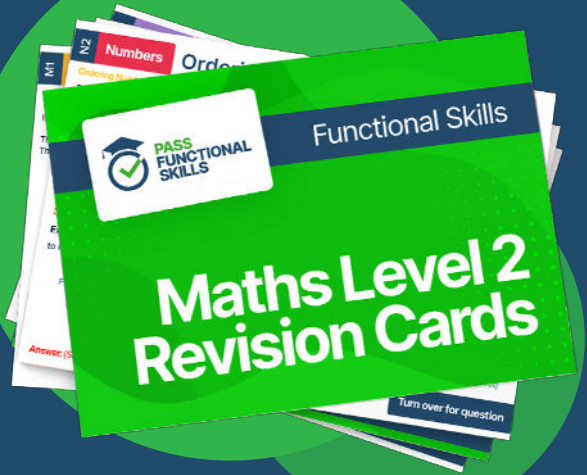
**Do not turn over until the invigilator tells you to do so.**



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**Activity 1: Planning a party**

Jack plans a party for his friend Asha.  
The party is at the community centre.

1 (a) The party is on Friday 14<sup>th</sup> June 2019.

Circle the date below which is the same as the party.



14/7/19

14.4.19

14.06.2019

19/6/2014

[1 mark]

1 (b) Jack needs some paper plates.

They come in packs.

Pack A	25 paper plates
Pack B	80 paper plates
Pack C	48 paper plates
Pack D	12 paper plates

Which pack has the **most** paper plates?

[1 mark]



B

- 1 (c) Jack buys one each of Pack A and Pack C.

How many paper plates does he have in total?

[2 marks]



$$\begin{aligned} 25 + 48 \\ = 73 \end{aligned}$$

- 1 (d) Jack looks at Pack B.

What will be the difference in the number of paper plates if he gets Pack B and not Packs A and C?

Show how you can work this out.

[1 mark]



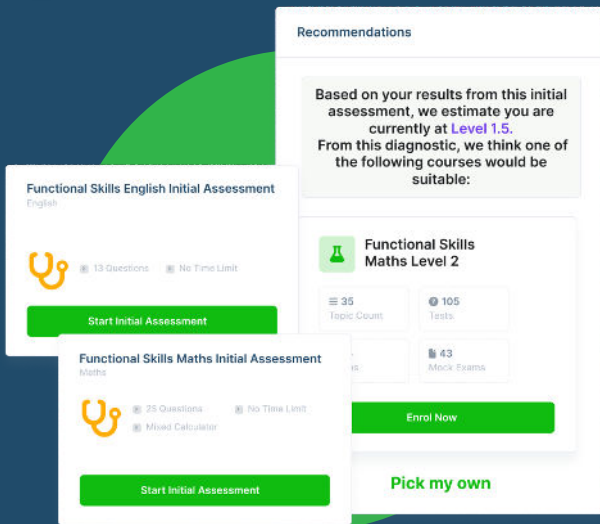
$$80 - 73 = 7$$

Please turn over

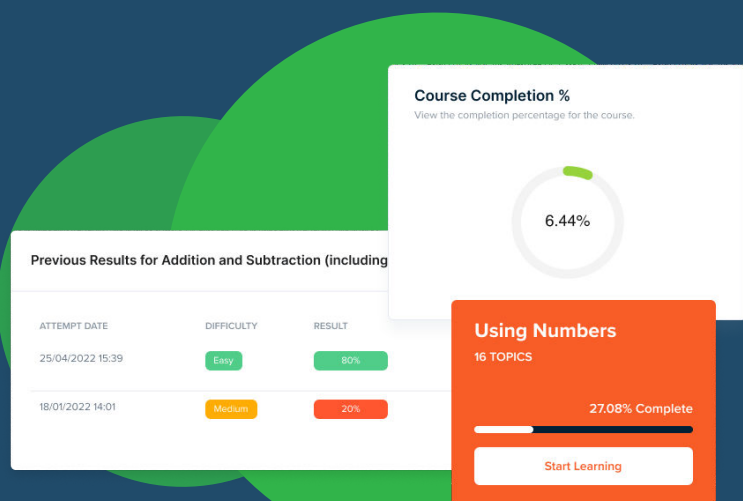
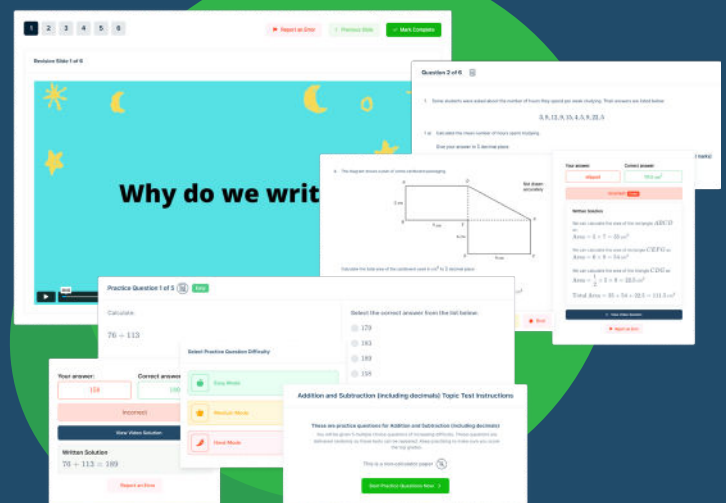


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- ✓ Determine when you are ready to sit your exam



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- ✓ 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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1 (e) Jack also needs to buy balloons for the party.

He buys 25.

He puts an **equal** amount of balloons around the front door and the back door of the centre.

Using as many balloons as possible, how many balloons will he have around each door?

[1 mark]



12

1 (f) How many balloons will he have left over?

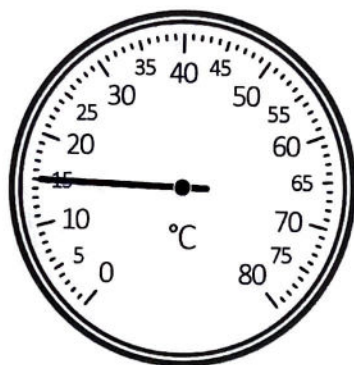
[1 mark]



1

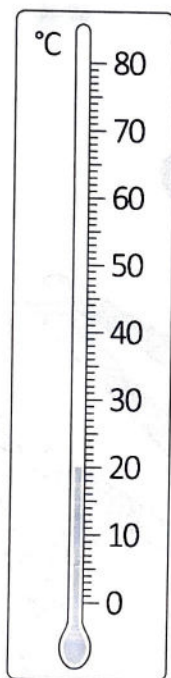
1 (g)

Jack checks how warm it is in the centre when he arrives.



He puts the heating on and checks again after an hour.

He uses another thermometer.



Is it warmer or colder after an hour?

[1 mark]



Warmer

[Total marks: 8]

This is the end of Section A.