Functional Skills Model Solutions

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Maths Level 2   Maths Level 1

English Level 2   English Level 1

ENTRY LEVEL 3
FUNCTIONAL SKILLS
MATHS – PART B

QUESTION PAPER

SAMPLE ASSESSMENT MATERIAL

openawards

Learner name:	*Auto-filled by XAMS*
Learner number:	*Auto-filled by XAMS*
Your Signature:	
Today's date:	*Auto-filled by XAMS*

Total marks available: **27** marks

Time limit: **1 hour 15 minutes**

You need:

This **question** and **answer paper** ✓

A **pen** with black or blue ink ✓
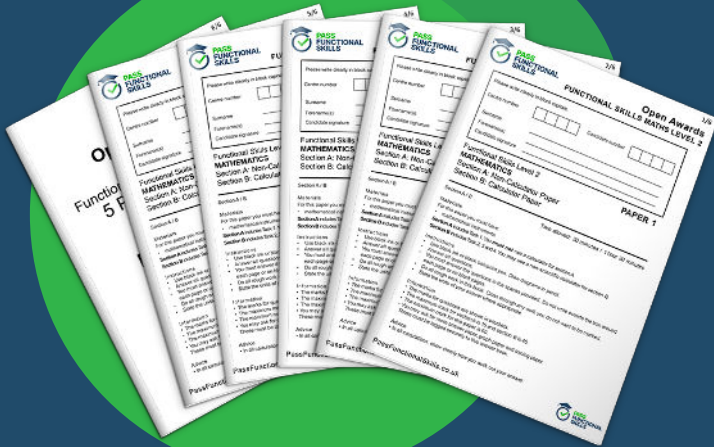
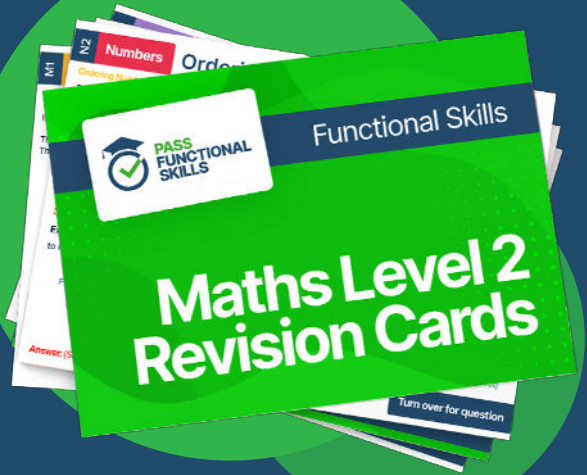A **pencil** and an **eraser** ✓

A **calculator** (non-scientific) ✓

RFSME3SAM01

PASS FUNCTIONAL SKILLS

**Functional Skills Maths
Level 2 Practice Papers**

**Functional Skills Maths
Level 2 Revision Cards**

**Functional Skills English Level 2
Practice Papers & Revision Cards**
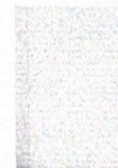
**Functional Skills Maths
Level 2 Pocket Revision Guide**

Or visit
passfunctionalskills.co.uk

You cannot use:

The **Internet**

✕

Instructions

1. Check your name is correct on the front page.
   Write your **signature** if it is.

2. **Read** each text and question carefully

3. **Write** your answers in the spaces provided

   Answer: [   ]

4. Answer **all** the questions.
   Remember to show your **workings.**

   ?

5. **Check** your work at the end

   ✓✓

6. Ask your teacher for more **paper** if you need it.
   Write your name on any extra pieces of paper.

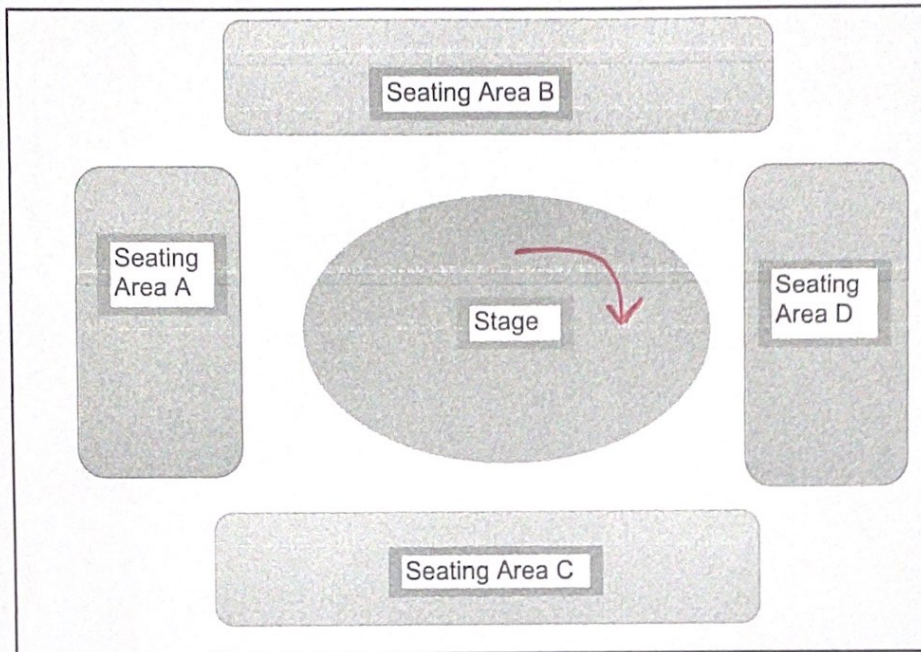7 Your teacher will **collect** your paper at the end of the assessment

RFSME3SAM01

Question 6 (1 mark)

Jadon is on stage facing Seating Area B. He does a **clockwise quarter turn**.

Use the **stage plan** to work out which **seating area** he is now facing.

Write your answer here:

He must be facing seating area D

Question 7 (1 mark)

Complete the sequence of numbers below.

9	18	27	36	45	54	63	72

(handwritten: +9 +9 arrows above, and answers 36, 45, 54, 63 filled in)

Question 8 (2 marks)

The leisure centre has 5 swimming pools.

Pool	Length
1	7400mm
2	850cm
3	8m
4	750cm
5	8100mm

Hanif wants to swim in the longest pool.

What is the length of the longest pool?

(handwritten answer:)

7400 ÷ 1000 = 7.4 m
850 ÷ 100 = 8.5 m
750 ÷ 100 = 7.5 m
8100 ÷ 1000 = 8.1 m
Pool 2 (850 cm) is the longest pool

Question 9 (2 marks)

Hanif hopes to raise £650 from sponsors.

He has raised £322.60 on line and £247.85 in cash.

How much more must he raise to reach £650?

Show your workings.

£322·60 + £247·85 = £570·45

£650 – £570·45 = £79·55

He must raise £79·55 more

Question 10   (3 marks)

Hanif wants to buy some goggles.

He chooses a pair of goggles that cost **£8.80**

He sees a special offer on this pair of goggles.

Special Offer!

¼

**off the price of
swimming
goggles**

Hanif thinks the goggles will cost **£6.00**

Is Hanif correct? Explain your answer.

Show your workings

$\frac{1}{4}$ of £8.80 = £8.80 ÷ 4

= £2.20

£8.80 − £2.20 = £6.60

So, Hanif is not correct.

Meg's dog weighs **22kg**

She needs to know how much to feed her dog.

She uses this weight chart below to help her:

Dog's weight (kg)	Number of tins of food per year
10 – 14	320
15 – 19	480
20 – 24	640
25 – 29	800

There are **12 tins in each pack**

    a) How many **packs** will Meg need to buy for a year?   **(3 marks)**

Show your workings.

Meg's dog needs 640 tins per year

$640 \div 12 = 53.33....$

So, she will need to buy 54 packs, since 53 wouldn't be enough.

    b) A month later, the vet weighs the dog. He has **gained 100 grams** in weight.

    (2 marks)

Meg thinks he now weighs over **23kg**.

Is Meg correct? Explain your answer.

Show your workings.

100g = 0.1 kg

22 + 0.1 = 22.1 kg

So, Meg is not correct.

Question 12
RFSME3SAM01

(2 marks)

The dog walks **1.25 km** every day.

How far does he walk in a **week**?

1.25 km × 7 = 8.75 km in a week

Question 13 (2 marks)

The dog's water bowl holds **400ml** when full.

He should drink **half a litre** of water each day.

Will he need more water in the bowl before the end of the day?
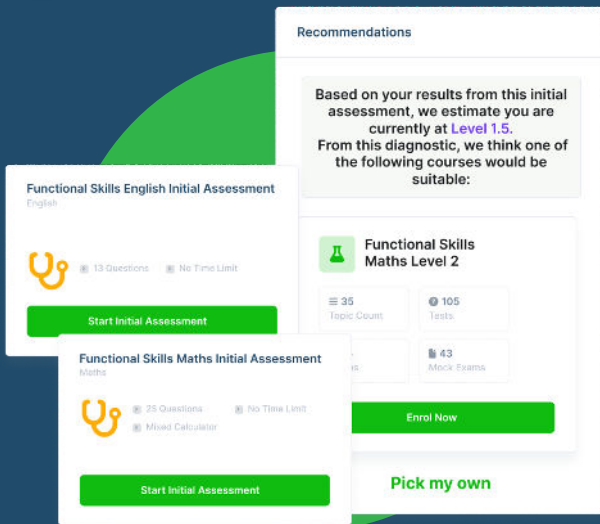
Give a reason for your answer.

400 ml = 0.4 litres

half a litre = 0.5 litres

The dog will need more water in the bowl, since 0.4 is less than 0.5

FUNCTIONAL SKILLS ONLINE COURSES

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Recommendations

Based on your results from this initial assessment, we estimate you are currently at Level 1.5.
From this diagnostic, we think one of the following courses would be suitable:

Functional Skills Maths Level 2

- 35 Topic Count
- 105 Tests
- 43 Mock Exams

Enrol Now

Pick my own

Functional Skills English Initial Assessment
English

- 13 Questions
- No Time Limit

Start Initial Assessment

Functional Skills Maths Initial Assessment
Maths

- 25 Questions
- No Time Limit
- Mixed Calculator

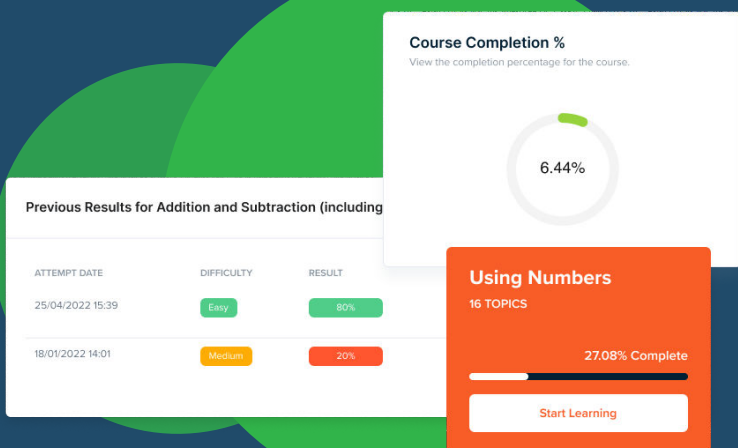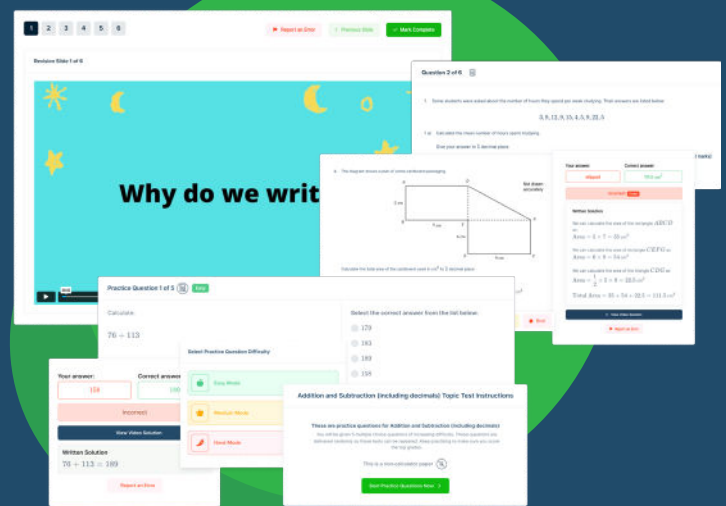Start Initial Assessment

- ✅ Your answers are analysed to determine your Current Level
- ✅ Suggested courses for you to enrol on based on your calculated level
- ✅ 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 mutiple choice questions
- ✅ Test your knowledge with exam-style questions
- ✅ Written solutions for all questions

Why do we writ

Course Completion %
View the completion percentage for the course.

6.44%

Previous Results for Addition and Subtraction (including

ATTEMPT DATE	DIFFICULTY	RESULT
25/04/2022 15:39	Easy	80%
18/01/2022 14:01	Medium	20%

Using Numbers
16 TOPICS

27.08% Complete

Start Learning

- ✅ 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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Question 14 (1 mark)

Sam manages a charity shop.

She makes a table to show when staff work.

Shifts	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Morning	Gill Aisha	Bob Sam	Juan Gill	Bob Aisha	Sam Gill	Juan Sam
Afternoon	Sam Juan	Aisha Gill	Bob Sam	Gill Juan	Juan Sam	Sam Bob

Complete the frequency table to show the number of shifts worked by each staff member.

Write your answer below.

Staff member	Frequency
Gill	5
Aisha	3
Sam	7
Juan	5
Bob	~~3~~ 4

Question 15 (1 mark)

Aisha decides to keep a **running total** of all the hours she works at the shop.

Complete the table to show her running totals for **week 5**.

Week Number	Hours Worked	Running Total
1	9.5	9.5
2	9.5	19
3	9.5	28.5
4	9.5	38
5	9.5	47.5

Question 16 (2 marks)

Complete the table to show the rounded amounts.

Day of the Week	Amount of money taken	Amount rounded to nearest pound
Monday	£57.67	£58
Tuesday	£85.11	£85
Wednesday	£53.50	£54
Thursday	£84.19	£84
Friday	£108.94	£109
Saturday	£96.60	£97

Question 17   **(1 mark)**

Sam records the amount of money received from sales on each day of the week **over 10 weeks**.

This table shows her results.

Day of week	Amount in sales over 10 weeks
Monday	£790
Tuesday	£690
Wednesday	£728
Thursday	£791
Friday	£787
Saturday	£780

Sam thinks more money is received on Mondays.
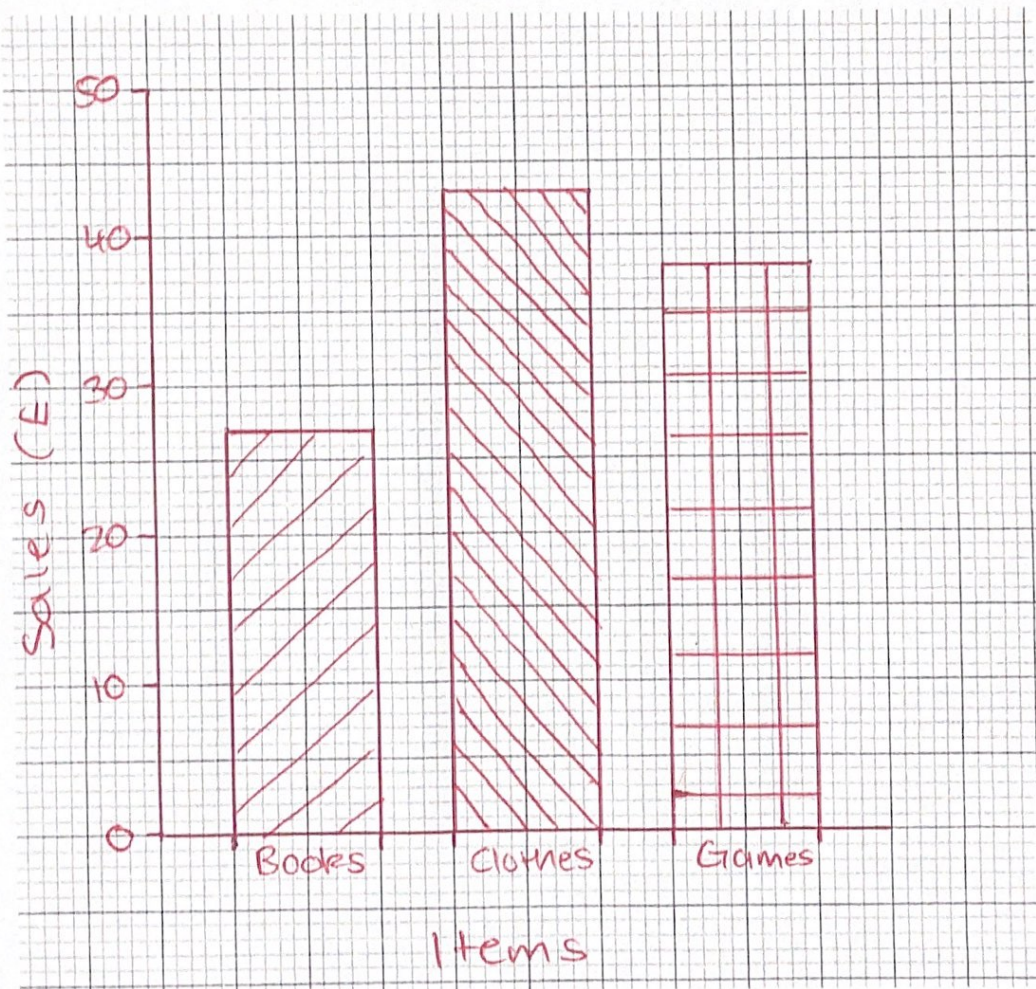
Is Sam correct? Explain your answer.

No, more money is received on Thursdays, since £791 is bigger than £790

Question 18 (4 marks)

Sam wants to show staff how sales of different items compare. She makes a list of the sales of these items from one day. This is her list:

- Books - £27
- Clothes - £43
- Games - £38

Create a **graph or chart** to show this information in numerical order.

End of assessment