



Functional Skills Mathematics

Non – Calculator

Diagnostic Assessment

Level 1

Name:

Date:

Tutor:

Vocational Area:

Functional Skills Maths: Diagnostic Assessment

FS Maths Assessment at Level 1

Why are you doing this assessment?

The purpose of this assessment is to find out how we can help you achieve success in your FS Maths. We will use this assessment to identify areas of strength and areas for development with your Maths skills.

On completion of this assessment your tutor will set you individual targets to support the development of your skills.

What you need to do

- Complete the assessment in handwritten form (you may use a calculator on the **designated calculator paper only**)
- You are allowed **30 minutes** to complete the non-calculator paper
- You must clearly show all your working out and calculation methods.

Answer ALL questions. Write your answers in the spaces provided.

1. Work out 12^2

Answer

2. Work out $8-6 \times 2$

Answer

3. Work out $-18-14$

Answer

4. Multiply 456×1000

Answer _____

5. Divide 896 by 100

Answer _____

6. By rounding each number estimate the answer to 9.3×4.8

Answer _____

7. Put the following decimals in order from smallest to largest.

4.1

4.2

4.12

4.21

0.45

Answer _____

8. Here are 5 numbers

8 10 17 8 3

Work out the range

Answer _____

9. a) Simplify fully 24:6

Answer _____ :

10. If the bank gave you 5% simple interest on your savings of £100.

How much would you have in the bank after 2 years?

Answer _____

11. Share £150 in the ratio 3: 2

Answer £ _____ : £ _____

12. Rashid works at an animal centre.

The animal centre ticket sells tickets for 49 weeks of the year.

A student ticket costs £9.90.

The animal centre sold 23 student tickets last week.

Rashid assumes that the same amount of student tickets are sold each week.

He wants to estimate income from the sale of student tickets for the year.

Estimate the income from the sale of student tickets for the year.

Answer _____

13. A music festival sells tickets on its website.

There are one hundred and twenty thousand tickets for sale.

Festival news

118 200 tickets sold in the first hour.

How many tickets are for sale after the first hour?

You **must** show your working.

Answer _____