

Functional Skills Maths

End of year assessment / pre-exam check



Name _____ Date _____

Part A

Listen carefully to each question. Each question will be repeated only once, and then once more at the end of Part A.

1. (a) _____ (b) _____ (c) _____

2. (a) _____ (b) _____ (c) _____

3. _____

Example _____

4. _____ 5. _____ 6. _____

7. (a) _____ (b) _____ (c) _____

8. _____ 9. _____

10. (a) _____ (b) _____

11. _____

12. _____

Functional Skills Maths

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Oral question sheet for teacher / assessor

Aural test. NO CALCULATORS

Listen carefully to each question. I will only repeat each question once.
At the end of the check I will repeat each question one more time.

*Note to the teacher. Please introduce each question (except Q13) like this:
"This is question number [no. 1 – 12 as appropriate]"*.

1. Write down these numbers.

a) four thousand and seven b) seventy four thousand, nine hundred and six c) ninety thousand

2. Write down these fractions using only numbers [and a short horizontal line].

a) one third b) three quarters c) one and a half

3. What is a data collection sheet? Give an example of where or when you could use one.

4. How many centimetres are there in a metre?

5. How many millilitres are there in a litre?

6. Which is heavier? 4.5 kilograms or 450 grams?

7. a) What is quarter past five in the afternoon written in 24-hour clock format?

b) How many seconds are there in 2 minutes? c) How many minutes are there in half an hour?

8. A young British woman has a 1 in 4 chance of living until 100. What is this as a percentage?

9. A young British man has a 20% chance of living until 100. What is this as a fraction?

10 a) What is ten percent of £6.00? b) Energy drinks cost £1.30 a bottle. How much for ten?

11. You buy a National Lottery ticket. How likely is it that you will win the jackpot?

12. What is the chance of shaking a die [dice] and getting an odd number?

13. Please make sure you have added your name and today's date at the top of the page.
This is part of the assessment.

Answer sheet for teacher / assessor and teaching notes.

Background information

This aural check was used to assess learners before they attended my intensive 1:1 support / revision sessions for the Level 1 Functional Maths exam.

Normally, I spend several sessions getting to know a learner and his or her mathematical strengths and difficulties. However, time was short and precious at the end of the year so I devised this check that was delivered and marked by vocational staff or LSAs. The marked papers were then given to me before I met with each student.

*The check does not attempt to cover all aspects of the Functional Maths criteria but focuses on common areas of confusion. For this reason, I **do not** recommend it as a comprehensive initial assessment tool.*

Workings out are provided for some answers but the learner does not have to show these in order to gain full marks.

1. (a) **4,007** or **4007** or **4 007** (b) **74,906** or **74906** or **74 906** (c) **90,000** or **90000** or **90 000**

2. (a) $\frac{1}{3}$ or **1/3** (b) $\frac{3}{4}$ or **3/4** (c) $1\frac{1}{2}$

3. **Accept any reasonable explanation and example.**

A data collection sheet is a **table with labelled columns and rows [headings / sub-headings] and spaces [cells / input opportunities] for efficiently collecting specific information [data / details].**

Examples

Collecting / recording information from a group of people that want to order a meal in advance from a restaurant; recording information about people entering a sports event; entering various choices / votes for a survey / election; sandwich shop (or, indeed any shop) recording sales information.

4. **100** cm = 1 metre 5. **1000** ml = 1 litre 6. 4.5kg = 4500g so **4.5 kg > 450g**

7. (a) **1715** (accept 17:15 or 17.15)

(b) 1 min = 60 s so 2 min = **120s**

(c) 60 min = 1 hour so $\frac{1}{2}$ hr = **30** mins

8. $\frac{1}{4} = 1 \div 4 = 0.25 =$ **25%**

9. 20% = 20/100 = **1/5**

10. (a) **£0.60** or **60p** (move the decimal point one place to the left)

(b) **£13.00** (move the decimal point one place to the right)

11. **Very unlikely / not very likely.**

12. **Even chance / evens / 3 out of 6 / $\frac{1}{2}$ / 50% / 0.5**

[note the last 3 options are Level 2 skills]

13. **Correct date in acceptable format.**