FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Entry Level 3

Fraction Basics

Materials

- You **cannot** use a calculator for **questions** with this symbol.

Instructions

- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.

Q1   What is $\frac{2}{5}$ as a decimal?

[1 mark]

Q2   What is $\frac{7}{10}$ as a decimal?

[1 mark]

Q3   What is $\frac{7}{4}$ as a decimal?

[1 mark]

Q4   Are $\frac{3}{9}$ and $\frac{1}{3}$ equivalent fractions?

[2 marks]

Q5   Are $\frac{21}{28}$ and $\frac{3}{4}$ equivalent fractions?

[2 marks]

Q6   Are $\frac{4}{3}$ and $\frac{12}{8}$ equivalent fractions?

[2 marks]

Q7   What is $\frac{1}{6}$ of $360°$?

[1 mark]

10

Turn over ▶

Q8   What is $\frac{2}{3}$ of £27?

[1 mark]

Q9   Put these fractions in order of smallest to largest:

$$\frac{5}{7}, \frac{1}{7}, \frac{4}{7}, \frac{8}{7}, \frac{0}{7}$$

[2 marks]

Q10   Put these fractions in order of smallest to largest:

$$\frac{9}{8}, \frac{9}{4}, \frac{9}{9}, \frac{9}{10}, \frac{9}{1}$$

[2 marks]

Q11   Josh has £900 to spend on a trip away. Of this, £150 is spent on restaurants, £400 is spent on his hotel stay, £100 is spent on travel costs, and the remaining amount is his spending money.
Give the proportion of each cost as a fraction of the total amount spent, in simplest form.

[4 marks]

Q12   Three contestants on a game show are given a proportion of a total prize, in order of first, second and third place, as below.

$$1^{st}: \frac{1}{2}, \ 2^{nd}: \frac{1}{3}, \ 3^{rd}: \frac{1}{6}$$

Find how much each contestant gets, given that the total prize is $120,000.

[3 marks]