FUNCTIONAL SKILLS MATHEMATICS

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

Entry Level 3

Length

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 Convert these measurements in centimetres into metres.

1(a) 25 cm

[1 mark]

1(b) 38 cm

[1 mark]

1(c) 62 cm

[1 mark]

1(d) 44 cm

[1 mark]

1(e) 197 cm

[1 mark]

1(f) 614 cm

[1 mark]

1(g) 50 cm

[1 mark]

1(h) 720 cm

[1 mark]

1(i) 1346 cm

[1 mark]

1(j) 7000 cm

[1 mark]

10

Q2 Convert these measurements in metres into centimetres.

2(a) 3.22 m

[1 mark]

2(b) 1.14 m

[1 mark]

2(c) 8.46 m

[1 mark]

2(d) 6.77 m

[1 mark]

2(e) 1.9 m

[1 mark]

2(f) 0.74 m

[1 mark]

2(g) 0.15 m

[1 mark]

2(h) 0.3 m

[1 mark]

2(i) 12.99 m

[1 mark]

2(j) 36 m

[1 mark]

10

Q3 Convert these measurements in metres into kilometres.

3(a) 1126 m

[1 mark]

3(b) 3257 m

[1 mark]

3(c) 2164 m

[1 mark]

3(d) 9333 m

[1 mark]

3(e) 933 m

[1 mark]

3(f) 16425 m

[1 mark]

3(g) 117194 m

[1 mark]

3(h) 210 m

[1 mark]

3(i) 3300 m

[1 mark]

3(j) 355 m

[1 mark]

10

Q4 Convert these measurements in kilometres into metres.

4(a) 3.114 km

[1 mark]

4(b) 2.687 km

[1 mark]

4(c) 7.228 km

[1 mark]

4(d) 6.29 km

[1 mark]

4(e) 1.3 km

[1 mark]

4(f) 0.997 km

[1 mark]

4(g) 0.244 km

[1 mark]

4(h) 0.3 km

[1 mark]

4(i) 9 km

[1 mark]

4(j) 121.319 km

[1 mark]

10

Q5 The heights of five children are as follows:
Ellie – 1.3 m
Alice – 1.0 m
Parth – 1.4 m
Saul – 1.2 m
Arianna – 1.1 m

5(a) Ellie, Alice, Parth, Saul and Arianna all want to go on a ride at the fairground. The ride has a minimum height requirement of 1.2 m. State whether each child can go on the ride.

[2 marks]

5(b) The children move on from the ride to a play area, this time with a maximum height limit of 1.3 m. State whether each child can go in the play area.

[2 marks]

Q6 The following lists the lengths of some tape measures, in centimetres. Jack wants to buy a tape measure longer than 500 cm. State whether he can buy each tape measure.
A – 100 cm
B – 250 cm
C – 1000 cm
D – 750 cm
E – 400 cm

[2 marks]

Q7 Add these lengths together.

7(a) 3.24 m + 9.66 m

[1 mark]

7(b) 22 cm + 38 cm

[1 mark]

7(c) 4.1 km + 8.8 km

[1 mark]

7(d) 3.3 m + 21 cm

[2 marks]

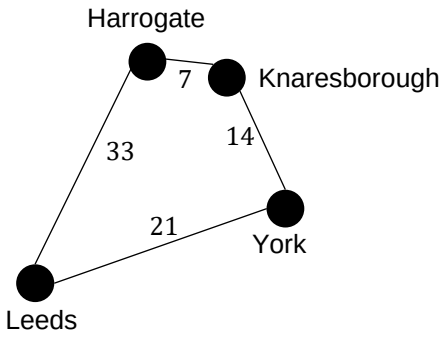
8 Jack wants to build a 6m fence in his garden. He has three fence lengths which are 2.5 m, 3 m and 0.8 m long. Does he have enough fence?

[2 marks]

9 Put these people in height order.
Sally – 5 feet 8 inches
Nish – 5 feet 6 inches
Mark – 5 feet 9 inches
Bob – 6 feet 0 inches
Aisling – 5 feet 10 inches

[2 marks]

10 The map below shows distances in miles between some towns and cities in Yorkshire. The lines represent roads and the numbers represent distances in miles.



10(a) How far is it from York to Harrogate?

[1 mark]

10(b) To go from Knaresborough to Leeds, is it shorter to go via York or via Harrogate?

[2 marks]

Q11 The Hardware Shop sells planks of wood in the following lengths for the following prices:
50 cm - £1.99
1 m - £2.99
2 m - £3.99
5 m - £6.99
10 m - £12.99
Benjamin wishes to buy exactly 1450 cm of wood for the least amount of money possible..

Which lengths should he buy, how much will it cost, and how much change would he get from a £50 note?

[4 marks]

4