

Non-calculator Questions

NCFE

1.

Alex sees a sequence of numbers in the book.

What is the next number in the sequence?

[1 mark]

$$1.00 \quad 1.15 \quad 1.30 \quad \underline{1.45}$$

$+0.15 \quad +0.15 \quad +0.15$

City & Guilds

2.

What is the next number in this sequence?

$$14.8 \quad 15.9 \quad 17.0 \quad \underline{18.1}$$

$+1.1 \quad +1.1 \quad +1.1$

1 mark

3.

What is the next number in this sequence?

$$3.6 \quad 4.8 \quad 6.0 \quad \underline{7.2}$$

$+1.2 \quad +1.2 \quad +1.2$

1 mark

4.

What is the next number in this sequence?

$$47.6 \quad 57.7 \quad 67.8 \quad \underline{77.9}$$

$+10.1 \quad +10.1 \quad +10.1$

1 mark

Calculator Questions

Edexcel

1.

Riya wants curtains in her room.

These are the lengths of curtains in metres.

1.0 m 1.25 m 1.5 m

The lengths follow a pattern.

Riya wants the next length up from 1.5 m.

What length of curtains will Riya buy?

(1)

Show your answer in the box below.

$$\begin{array}{r}
 1.25 \\
 - 1.0 \\
 \hline
 0.25
 \end{array}
 \quad
 \begin{array}{r}
 1.5 \\
 - 1.25 \\
 \hline
 0.25
 \end{array}
 \quad
 \begin{array}{r}
 1.5 \\
 + 0.25 \\
 \hline
 1.75
 \end{array}$$

1.75 m

NCFE

2.

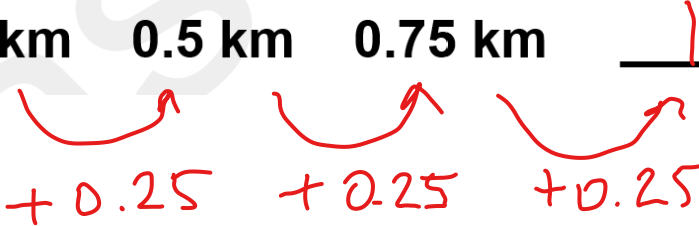
The bus stop is 0.25 km from Mina's house.

The bus stops are at equal distances.

Complete the sequence.

[1 mark]

0.25 km 0.5 km 0.75 km km



 + 0.25 + 0.25 + 0.25

3.

Bird food can be bought in five different weights.

The weights follow a sequence.

What are the next two weights?

[2 marks]

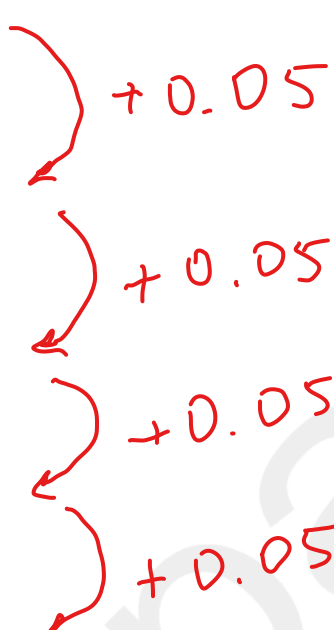
0.2 kg

0.25 kg

0.3 kg

0.35 kg

0.4 kg



 + 0.05
 + 0.05
 + 0.05
 + 0.05


4.


Amy makes icing for different cakes.


The amounts of icing go up in sequence.

What is the next number in the sequence?

0.3 kg 0.6 kg 0.9 kg 1.2 kg


+0.3


+0.3


+0.3

[1 mark]