

Level 2 Functional Skills Mathematics Sample 3

Duration: 25 minutes
Total marks: 15 marks

SECTION 1 – CALCULATOR NOT PERMITTED

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

***I declare that I had no prior knowledge of the questions in this assessment and that I will not share information about the questions.**

Please check that your name is correctly printed on the candidate barcode label. If not, please tell the invigilator before the start of the exam.

You should have the following for this assessment:

- a pen with black or blue ink
- a pencil
- an eraser
- a 30cm ruler.

You must NOT use a protractor.

You must NOT use a calculator for Section 1.



General instructions

- Read through each question carefully.
- You may use a dictionary.
- Write all your answers in this booklet.
- Check your calculations and check that your answers make sense.

SECTION 1 – CALCULATOR NOT PERMITTED

There are **15** marks available in this section.

You should check all your work as you go along.

You must **not** use a calculator in this section.



Q1

$$531 \times 1.4 =$$

_____ (1 mark)

Q2

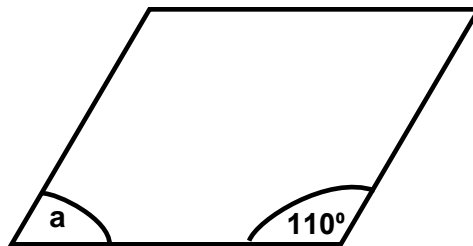
$$5^4 =$$

_____ (1 mark)

Q3

The following diagram shows a parallelogram.

Diagram not to scale



What is the size of angle **a**?

Angle **a** = _____°

(1 mark)

Q4

Which one of the following works out to the largest number?

(tick one box)

A $\frac{3}{4} \times 8 =$

B $\frac{2}{6} \times 12 =$

C $\frac{3}{2} \times 10 =$

D $\frac{3}{12} \times 36 =$

(1 mark)

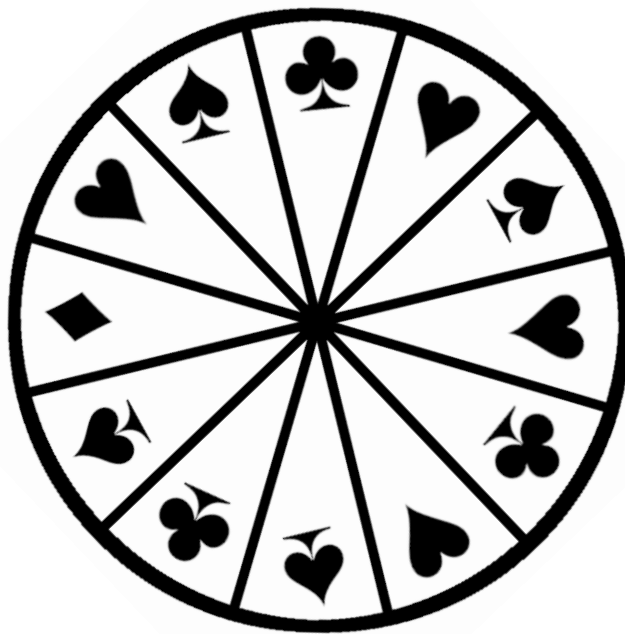
Q5

What is 52% as a fraction in its lowest terms?

$$\frac{\square}{\square}$$

(1 mark)

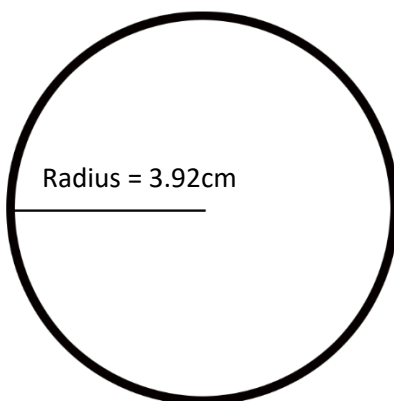
Q6



If the wheel is spun again what is the chance of \blacklozenge being the winner?
Give your answer as a fraction.

(1 mark)

Q7



Which calculation gives an approximation of the area of this circle in cm^2 ?

(tick one box)

A $3 \times 8 =$

B $3 \times 4 =$

C $3 \times 16 =$

D $3 \times 9 =$

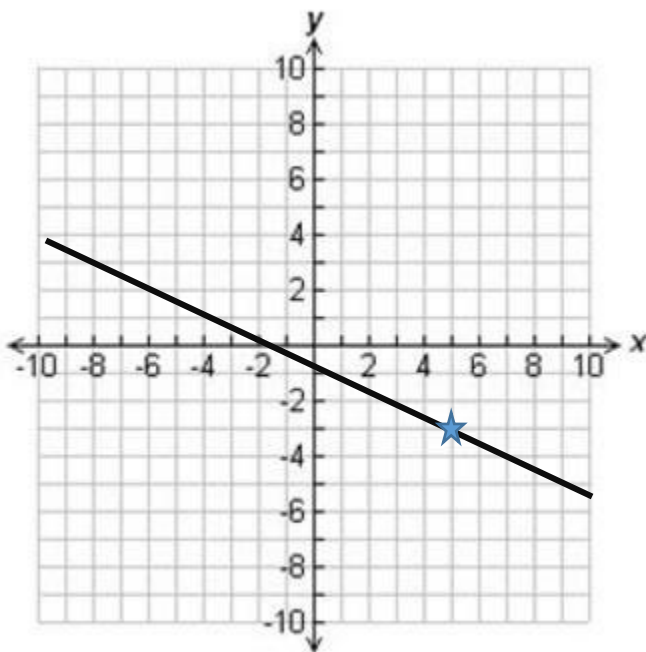
(1 mark)

Q8

Calculate $\frac{8 - 4^2}{8} =$

_____ (1 mark)

Q9



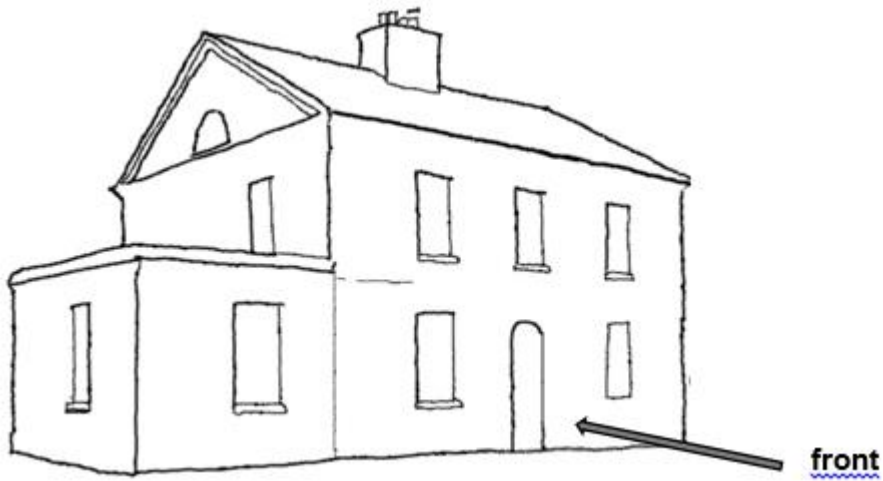
What are the coordinates of the line at point ★?

(tick one box)

- A (-5, 3)
- B (5, -3)
- C (-3, 5)
- D (3, -5)

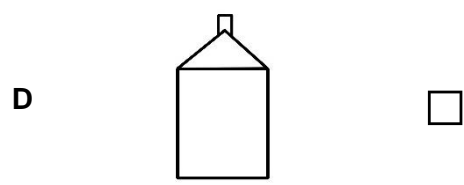
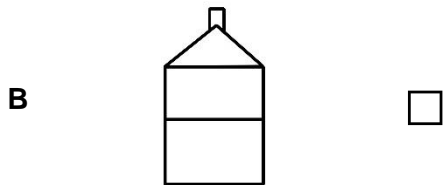
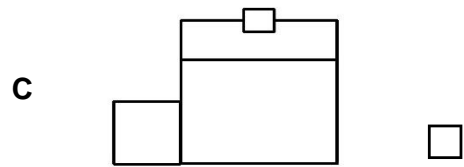
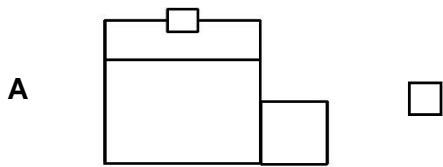
(1 mark)

Q10



Which one of the following is the front elevation of the house from the view shown?

(tick one box)



(1 mark)

Q11

A commuter uses a bus and a train to get to work.

The train is more than 5 minutes late $\frac{1}{6}$ of the times they use it

The bus is more than 5 minutes late $\frac{3}{5}$ of the times they use it

What is the probability that **both** the bus and train will be more than 5 minutes late?

Show your working

(2 marks)

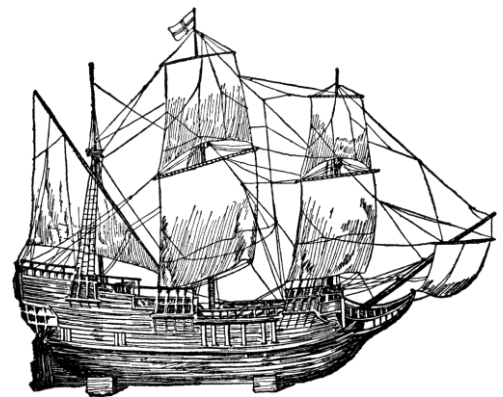
Q12

A model maker wants to make a model of a ship

He will use a scale of 1:50

The ship was 100ft long

1 foot = 0.3 m



How long will the model ship be in cm?

Show your working

_____ cm

(3 marks)

End of Section 1