

**FOUNDATION TIER  
MINI PRACTICE EXAM 1**

**NON-CALCULATOR  
20 MINUTES ALLOWED**



1.  
Here is a list of numbers.

2, 5, 9, 11, 20, 32, 45

- (a) From the list, write down a multiple of 5. (1)
- (b) From the list, write down a factor of 27. (1)
- (c) From the list, write down a prime number. (1)
- (d) From the list, write down two numbers which add together to make 34. (1)
- (e) From the list, write down two numbers with a difference of 25. (1)

2.  
Aaron went to the newsagents.  
He bought a pack of sandwiches for £2.89, two packs of crisps at 62p each and a chocolate bar for 76p.  
He paid with a ten pound note.  
How much change should Aaron have been given?

(2)

3.  
(a) Simplify  $3a - 2b + 6a + 5b$

(2)

(b) Simplify  $3c \times 5d$

(1)

(c) Solve  $6x - 1 = 41$

(2)

4.

Barry is going to spin a spinner.

The spinner has five sections – blue, red, yellow, green and black.

The probabilities of landing on each section is given in the below table.

<b>Section</b>	Blue	Red	Yellow	Green	Black
<b>Probability</b>	0.23	0.3	0.19		0.09

(a) Work out the probability of landing on the green section.

(2)

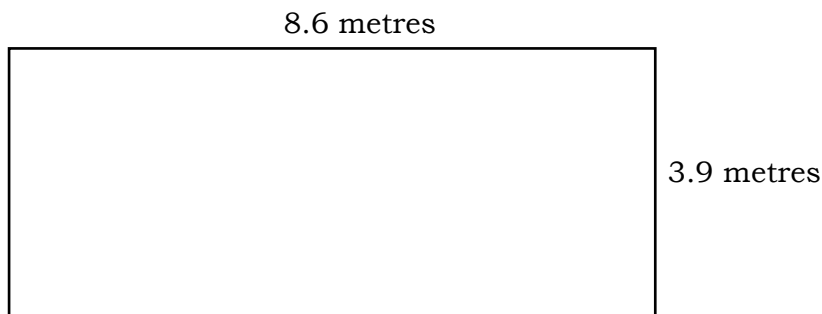
(b) Barry is going to spin the spinner 50 times. How many times would you expect him to land on the red section?

(2)

5.

Claire is going to put a fence up around her garden.

The plan of the garden is pictured below.



Fencing costs £2.50 per 5 metres of fence.

How much will it cost Claire to put fence around her garden?

(4)