

**FOUNDATION TIER
MINI PRACTICE EXAM 7**

**NON-CALCULATOR
20 MINUTES ALLOWED**

1.

(a) Find the highest common factor (HCF) of 24 and 60.

(2)

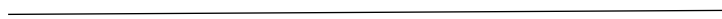
(b) Find the lowest common multiple (LCM) of 12 and 16.

(2)

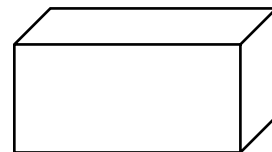
2.

(a) Match the shape to its correct name. The first one has been done for you.

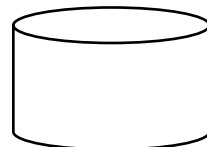
Trapezium



Parallelogram



Cuboid

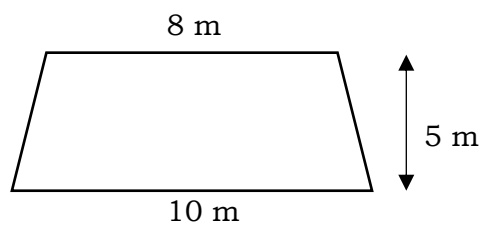


Cylinder



(1)

(b) Find the area of the trapezium below.



(3)

(c) Find the volume of a cube that has side lengths 5 cm.

(2)

3.

Chris is going to spin a fair eight-sided spinner, pictured to the right.

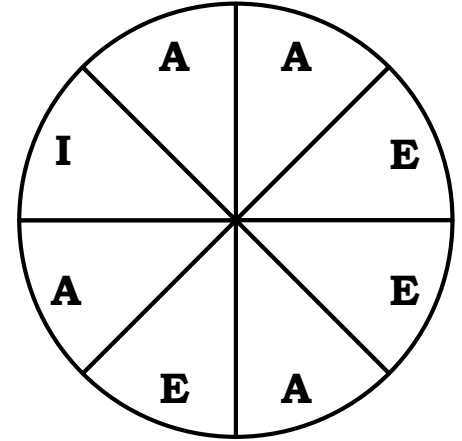
(a) What is the probability that Chris lands on 'A'?

(1)

(b) What is the probability that Chris lands on a vowel?

(1)

(c) If Chris spins the spinner 200 times, how many times would you expect him to land on 'E'?



(2)

(d) Daniel has a different spinner.

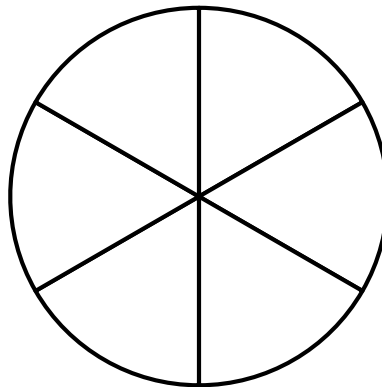
Daniel's spinner is also a fair spinner, and has six sections.

Each section has either A, B or C on it.

The probability that the spinner lands on A is three times the probability that it lands on B.

The probability that the spinner lands on C is $\frac{1}{3}$.

Label the spinner below.



(3)

4.

Tickets for an event are the same price for everyone.

Darren paid £31.50 for 7 tickets.

Elise paid £54 for some tickets.

Frank paid £67.50 for some tickets.

How many more tickets did Frank buy than Elise?

(3)