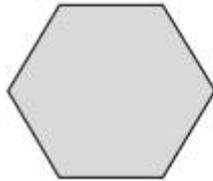


Q1. These two shapes have the **same** perimeter.

regular hexagon

square



Not actual size

The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.

2 marks

Q2. A **square** number and a **prime** number have a total of 22

What are the two numbers?

$$\boxed{} + \boxed{} = 22$$

square number

prime number

1 mark

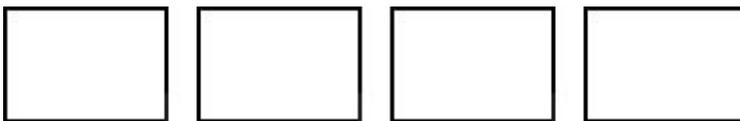
Q3. Write these numbers in order of size, starting with the **smallest**.

1.9

0.96

1.253

0.328



Smallest

1 mark

Q4. Jack has £400

He spends **35%** of his money on a new bike.



How much does Jack spend on his new bike?

1 mark

Q5.

Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £ 20 note.

Her change is £14.96

What is the cost of posting **one** letter?

2 marks

Q6.

A book has 276 pages.

Amina has read $\frac{1}{3}$ of the book.

How many pages are **left** for Amina to read?

2 marks

Q7.

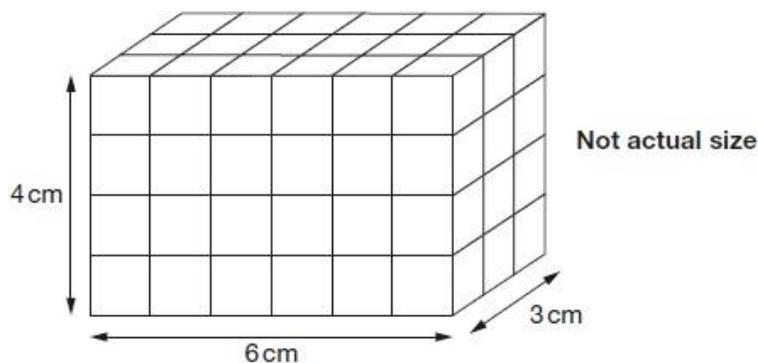
Write the three missing digits to make this **addition** correct.

$$\begin{array}{r}
 \boxed{5} \boxed{3} \boxed{2} \boxed{} \boxed{9} \\
 + \quad \boxed{7} \boxed{4} \boxed{2} \boxed{} \\
 \hline
 \boxed{} \boxed{0} \boxed{6} \boxed{7} \boxed{6}
 \end{array}$$

2 marks

Q8.

Amina made this cuboid using centimetre cubes.



Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids? 2 marks

Q9. Here are the temperatures in four cities at midnight and at midday.

	Temperature	
City	At midnight	At midday
Paris	-4°C	-2°C
Oslo	-13°C	-7°C
Rome	3°C	10°C
Warsaw	-6°C	2°C

At **midnight**, how many degrees colder was Paris than Rome?

1 mark

Which city was 6 degrees colder at midnight than at midday?

1 mark

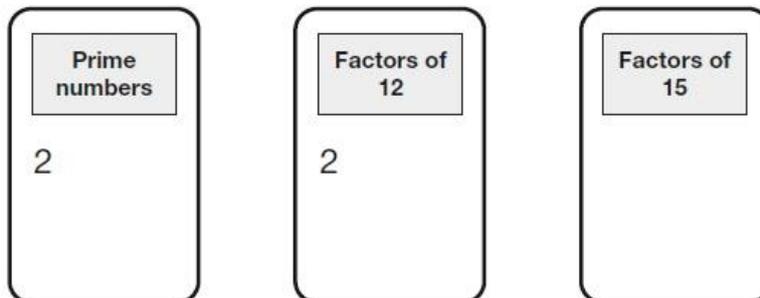
Q10.

Here are five numbers.

~~2~~ 3 4 5 6

Write each number on the correct cards.

The number 2 has been written on the correct cards for you.



2 marks

Q11.

Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.

She makes **68** bracelets.



Each necklace has **105** beads.

She makes **34** necklaces.

How many beads does Layla use **altogether**?

3 marks