Hazelwood School

Maths Scholarship Sample Questions

The maths paper will include worded problems at the National Curriculum level for Year 6. These will include fractions, decimals, percentages, shape and sequences. There will also be more unfamiliar problems that are designed to provide thought provoking challenge.

Sample Questions

1. Put these cars in order of price, starting with the lowest price. One has been done for you.

A	B	C	D	E
£31,750	£30,570	£3,900	£37,150	£31,900

B

_____   _____   _____   _____   _____

. . . .

2. Order the following numbers from smallest to largest.

11.1	1.01	1.1	10.1	10.11

3. Here is part of a number line.

Write the missing numbers in the boxes.

-8   -8

-5
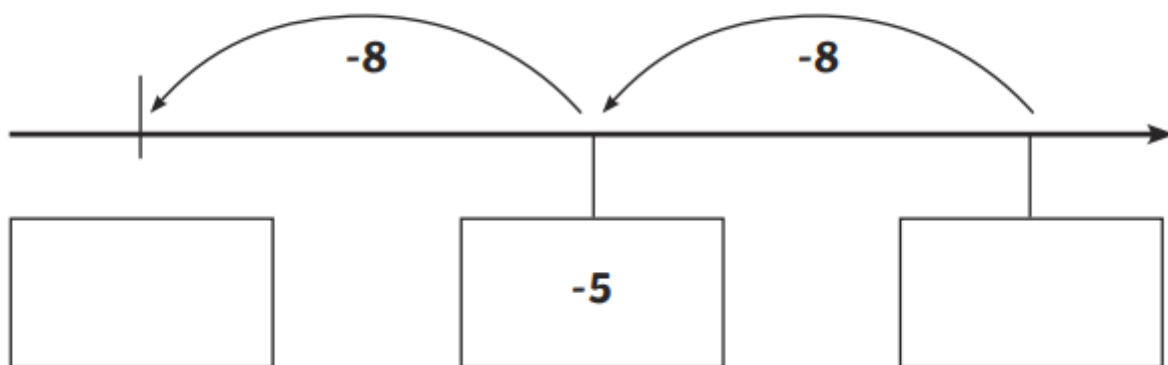
4. Write the three missing digits to make this subtraction correct.

$$
\begin{array}{r}
7\ 1\ \boxed{} \\
-\ \ 4\ \boxed{}\ 3 \\
\hline
\boxed{}\ 9\ 3
\end{array}
$$

5. 24 identical books are on a shelf

156cm
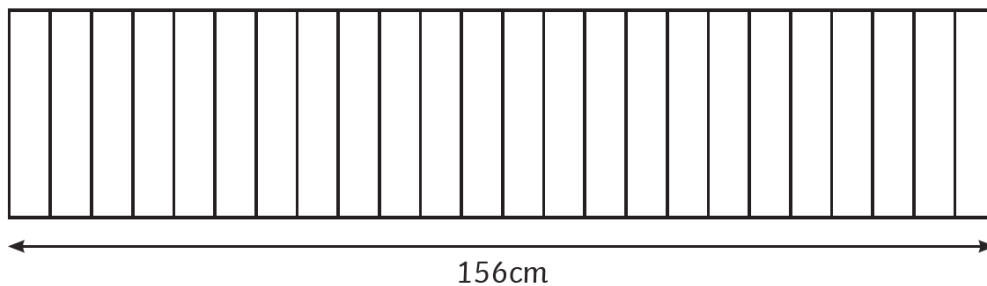
Another four of the same book is added to the shelf.
What is the width of the books now?

Show your method.

6. At the beginning of the day, Hasim counted his money. He gave his brother 1/3 of his money. He spent £12 on a present for his sister. He then counted what he had left, and it was half what he had at the beginning of the day. How much did he give his brother? Show your method.

£

7.

Five children go to the cinema.
Large popcorn costs £3.75
Drink costs £2.40
They share the cost equally of buying 2 popcorns and 3 drinks.
How much does each child pay?

Show your method.

£

8.

An adult ticket (*a*) to the theme park costs £7 more than a child ticket (*c*). It costs £154 for 2 adults and 3 children to go to the theme park. In total, how much would it cost for 1 adult and 1 child to go to the theme park together?

9. The square of a positive value is twice as big as the cube of that number.

   Can you show how this is possible?