7.5.26 Mixed Reasoning

1

Use these clues to find the number:

- This is a seven-digit number.
- The digits all add up to 37.
- There are only two different digits and no consecutive digits are the same.
- There are odd and even digits.

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2

Find the missing numbers in this calculation.

$$\begin{array}{r} 9\ _\ 1\ 6 \\ \times \quad _\ 7 \\ \hline 6\ 4\ 5\ 1\ 2 \\ 4\ 6\ 0\ 8\ 0\ 0 \\ \hline \end{array}$$

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3

Calculate:

13% of £72 =

37.5% of £186 =

4

Calculate:

$\frac{7}{20} + \frac{2}{5} + \frac{1}{10} =$ $\frac{1}{4} - \frac{3}{16} =$

5

For Comic Relief, a school has three activities. The children pay £1.50 to wear red, there is a bake sale, and the children can pay £2 to throw a wet sponge at a teacher. Altogether, the children raised £528.50. 167 children wore red, and 97 children paid to throw a wet sponge at a teacher. How much did the bake sale make?

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6

The area of this triangle is 36cm². The height is half the length of the base of the triangle. What are the dimensions of the triangle?

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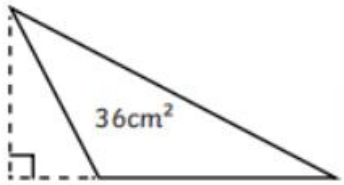
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