

Quick test - Year 6

Show your working for each question.

1. A box contains has 170 crayons. 5 children each take 8 crayons.
How many crayons are left in the box?

The children take $5 \times 8 = 40$ crayons in total.

There must be $170 - 40 = 130$ crayons left in the box.

2. What is 252 minutes in hours and minutes?

60 minutes in each hour, so $\frac{252}{60}$ hours = 4.2 hours

$$\begin{aligned} 4.2 \text{ hours} &= 4 \text{ hours and } 0.2 \times 60 \text{ minutes} \\ &= 4 \text{ hours and } 12 \text{ minutes} \end{aligned}$$

3. One gram of silver costs £17.62. What is the cost of half a kilogram of silver?

$\frac{1}{2}$ kilogram = 500 grams

$$\begin{aligned} \frac{1}{2} \text{ kg silver} &= 500 \times 17.92^* \\ &= \text{£}8960.00 \end{aligned}$$

* This calculation might be performed in a number of different ways.

4. On Saturday Laura read $\frac{2}{5}$ of her book. On Sunday she read the remaining 60 pages to finish the book. How many pages are there in Laura's book?

Laura still has $\frac{2}{5}$ of her book to finish on Saturday

$$\frac{2}{5} = 60 \text{ pages}$$

$$\frac{1}{5} = 30 \text{ pages}$$

$$\frac{5}{5} = 150 \text{ pages}$$

Laura's book has 150 pages.