

Blue

Can I solve World Book day maths problems?

In the library there are 4533 fiction books and 2819 non-fiction books. How many books altogether?

$$\begin{array}{r}
 4533 \\
 + 2819 \\
 \hline
 7352
 \end{array}$$

7352 books

If 235 books are on loan, how many are in the library?

$$\begin{array}{r}
 7352 \\
 - 235 \\
 \hline
 7117
 \end{array}$$

There are 7117 books left.

Rachel's book has 40 pages. She reads $\frac{1}{4}$ of her book on Monday. On Tuesday, she reads 12 more pages. How many pages are left to read? 18 pages

$$\begin{aligned}
 \frac{1}{4} \text{ of } 40 &= 40 \div 4 = 10 \\
 40 - 10 &= 30 \\
 30 - 12 &= 18
 \end{aligned}$$

Veruca Salt wins a prize of £1200. She spends £380 on books and £24 on chocolate. How much money does she have left?

$$\begin{array}{r}
 380 \\
 + 24 \\
 \hline
 £404
 \end{array}$$

$$\begin{array}{r}
 1200 \\
 - 404 \\
 \hline
 796
 \end{array}$$

£796 left

Mr Wonka is $2\frac{1}{2}$ m tall. An Oompa Loompa is 160cm tall. How much taller is Mr Wonka?

$$2\frac{1}{2} \text{ m} = 250 \text{ cm}$$

$$\begin{array}{r}
 250 \\
 - 160 \\
 \hline
 90
 \end{array}$$

90cm taller

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Fred has £85. He buys 3 books which cost £6 each and 8 books which cost £6.50.
How much money does he have left?

He has £15 left

$$3 \times £6 = £18$$

$$\begin{array}{r} £6.50 \\ \times \quad 8 \\ \hline £52.00 \end{array}$$

$$\begin{array}{r} 52 \\ + 18 \\ \hline £70 \\ 1 \end{array}$$

$$85 - 70 = £15$$

A school orders 580 new books. 160 are put in the library, 60 are given away as prizes. The rest are shared equally between 4 classes. How many are given to each class?
Each class gets 90 books.

$$\begin{array}{r} 160 \\ + 60 \\ \hline 220 \\ 1 \end{array}$$

$$\begin{array}{r} 580 \\ - 220 \\ \hline 360 \end{array}$$

$$360 \div 4 = 90$$