

Problems on Division



Solving division problems is closely linked to multiplication.

Whenever we're asked to find the value of each we use Division.

Look at the examples:

Example: At a concert there are 279 people in the audience. There are 9 equal rows. How many people are sitting in each row?

Total number of people = 279

Number of rows = 9

Number of people sitting in each row = $279 \div 9$

31 people are sitting in each row at the concert.

$$\begin{array}{r} 31 \\ 9 \overline{) 279} \\ \underline{- 27} \\ 009 \\ \underline{- 9} \\ 0 \end{array}$$



Example: The weight of 4 similar math textbooks is 784 grams in total. What is the weight of each textbook?

Number of textbooks = 4

Total weight = 784 grams

Weight of each textbook = $784 \div 4$

The weight of each textbook is 196 grams.

$$\begin{array}{r} 196 \\ 4 \overline{) 784} \\ \underline{- 4} \\ 38 \\ \underline{- 36} \\ 24 \\ \underline{- 24} \\ 00 \end{array}$$

