

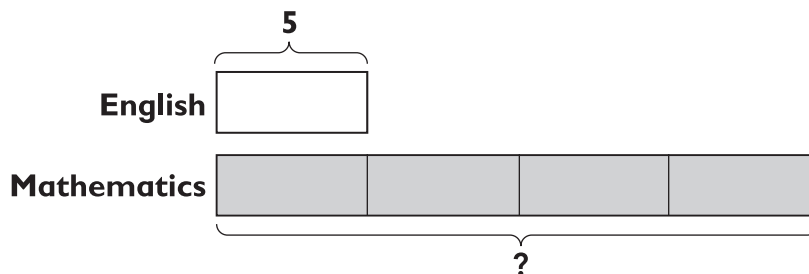
Unit 3 : Multiplication and Division

Friendly Notes

Word Problems

Models can also help us solve multiplication and division word problems.

1. There are 5 English books.
There are 4 times as many mathematics books as English books.
How many mathematics books are there?



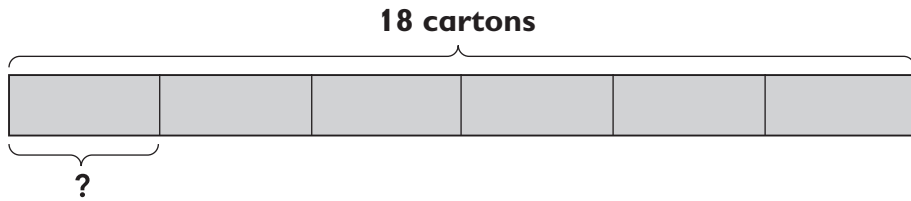
$$5 \times 4 = 20$$

There are 20 Mathematics books.

Multiply 5 by 4.



2. Mrs. Simpson bought 18 cartons of milk.
She gave the milk equally to 6 children.
How many cartons of milk did each child get?



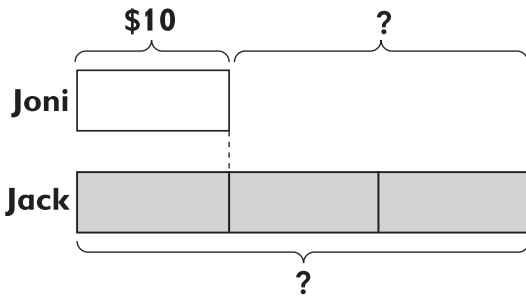
$$18 \div 6 = 3$$

Each child got 3 cartons of milk.

6 units = 18 cartons
1 unit = $18 \div 6$



3. Joni has \$10.
Jack has 3 times as much as Joni.
How much less money does Joni have than Jack?



$$10 \times 3 = 30$$

Jack has \$30.

$$30 - 10 = 20$$

Joni has \$20 less than Jack.

Exercise 2 : More Word Problems

1. Solve. Show all your work clearly.

- (a) Mary bought 5 boxes of cake.
Each box contained 9 pieces of cake.
How many pieces of cake did she buy?
- (b) 32 m of cloth was cut into 4 pieces of the same length.
How long was each piece of cloth?
- (c) There are 80 tables altogether in 8 equal rows.
How many tables are there in each row?

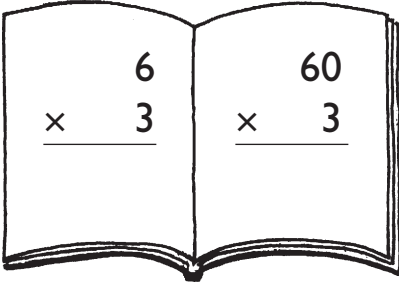
(d) James has 36 balloons.
He has 4 times as many balloons as George.
How many balloons does George have?

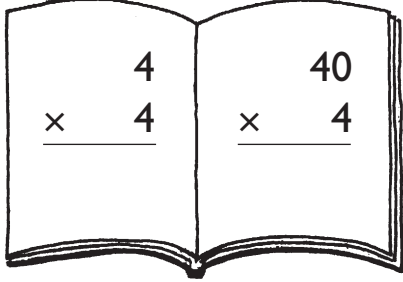
(e) There are 2 pen holders.
There are 3 pens in each pen holder.
How many pens are there altogether?

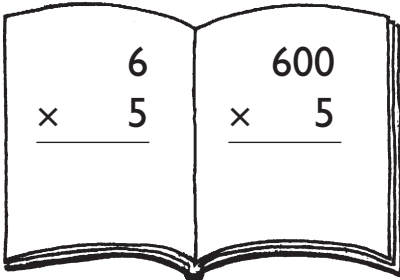
(f) Each tray can carry 8 cups.
Mary has 3 trays.
How many cups can the 3 trays carry?

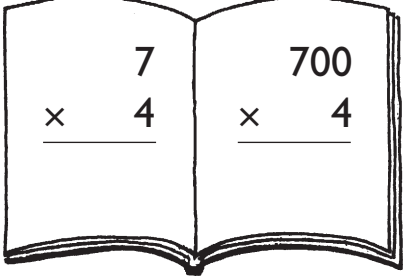
Exercise 3 : Multiplying Ones, Tens, and Hundreds

1. Multiply.

(a) 

(b) 

(c) 

(d) 

2. Multiply.

(a)
$$\begin{array}{r} 30 \\ \times 4 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 20 \\ \times 5 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 600 \\ \times 2 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 500 \\ \times 2 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 73 \\ \times 3 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 23 \\ \times 2 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 71 \\ \times 5 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 61 \\ \times 4 \\ \hline \end{array}$$