

(4) (a) $240 \times 10 = \underline{2400}$

(d) $34022 \times \underline{100} = 3402200$

(g) $\underline{37879} \times 100 = 3787900$

(b) $557 \times 100 = \underline{55700}$

(e) $\underline{78020} \times 100 = 7802000$

(h) $3798820 \times 10 = \underline{37988200}$

(c) $\underline{389} \times 10 = 3890$

(f) $63300 \times \underline{10} = 633000$

(5) (a) $478 \times 10 = 4780$



(b) $6833 \times 100 = 683300$



(c) $7020 \times 10 = 7020$



(d) $56798 \times 100 = 5679800$



(e) $3000 \times 100 = 30000$



(f) $7982 \times 10 = 79820$



(g) $8920300 \times 100 = 8920300$



(h) $9274 \times 10 = 927400$



$$(4) \quad (a) \quad 468 + 19 = \underline{487}$$

$$(d) \quad 388 + 8 = \underline{396}$$

$$(g) \quad 46 + 39 = \underline{85}$$

$$(j) \quad 34 + 9 = \underline{43}$$

$$(b) \quad 34 - 19 = \underline{15}$$

$$(e) \quad 66 - 9 = \underline{57}$$

$$(h) \quad 478 - 27 = \underline{451}$$

$$(k) \quad 276 - 79 = \underline{197}$$

$$(c) \quad 473 - 98 = \underline{375}$$

$$(f) \quad 748 + 299 = \underline{1047}$$

$$(i) \quad 740 + 99 = \underline{839}$$

$$(l) \quad 738 - 47 = \underline{691}$$

$$(5) \quad (a) \quad 462 - 19 = \underline{443}$$

$$(d) \quad \underline{47} - 18 = 29$$

$$(g) \quad 47 + 88 = \underline{135}$$

$$(j) \quad \underline{68} + 299 = 367$$

$$(b) \quad 78 + \underline{9} = 87$$

$$(e) \quad 572 - 37 = \underline{535}$$

$$(h) \quad 33 + 109 = \underline{142}$$

$$(k) \quad 36 - \underline{9} = 27$$

$$(c) \quad 582 + \underline{19} = 601$$

$$(f) \quad \underline{893} + 99 = 992$$

$$(i) \quad 199 + \underline{199} = 398$$

$$(l) \quad 382 - 18 = \underline{364}$$

(c) First, let's make an estimate.

$$356 \approx 360$$

$$24 \approx 20$$

$$360 \times 20 = 7200$$

Let us find the actual product by using the column method.

		3	5	6
×			2	4
<hr/>				
	1	4	2	4
+	7	1	2	0
<hr/>				
	8	5	4	4

So, the product of 356 and 24 is 8544 .

This is close to the estimate of 7200 .

So, there are 8544 pages in 24 dictionaries.

(e) $61 \times 77 = 4697$

$$\begin{array}{r} \\ \times \\ \hline 427 \\ + 4270 \\ \hline 4697 \end{array}$$

(f) $132 \times 29 = 3828$

$$\begin{array}{r} \\ \times \\ \hline 1188 \\ + 2640 \\ \hline 3828 \end{array}$$

(g) $258 \times 13 = 3354$

$$\begin{array}{r} \\ \times \\ \hline 774 \\ + 2580 \\ \hline 3354 \end{array}$$

(h) $93 \times 207 = 19251$

$$\begin{array}{r} \\ \times \\ \hline 651 \\ 0000 \\ + 18600 \\ \hline 19251 \end{array}$$

Problem Solving

(1) Class A:

			3	4
×			2	8
<hr/>				
	2	7	2	
+	6	8	0	
<hr/>				
	9	5	2	

Class B:

			4	3
×			2	8
<hr/>				
	3	4	4	
+	8	6	0	
<hr/>				
	1	2	0	4

Then, subtract the number of cookies Class A will bake from the number of cookies Class B will bake.

$$1204 - 952 = 252$$

Class B will bake **252** more cookies than Class A.

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(1)

$$\begin{array}{r}
 \\
 \\
 \times \\
 \hline
 \\
 \\
 \\
 \\
 \\
 \\
 \hline
 1 \ 6 \ 7 \ 9 \ 6
 \end{array}$$

So, the company needs \$16796 to purchase the chairs.

(2)

$$\begin{array}{r}
 \\
 \\
 \times \\
 \hline
 \\
 \\
 \\
 \\
 \\
 \\
 \hline
 1 \ 9 \ 4 \ 6
 \end{array}$$

So, the library will buy 1946 books.

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(3) Part 1

$$\begin{array}{r}
 \\
 \\
 \times \\
 \hline
 \\
 \\
 \\
 \\
 \\
 \\
 \hline
 5 \ 9 \ 2 \ 7 \ 4
 \end{array}$$

So, the total mass will be 59274 kg.

Part 2

$$\begin{array}{r}
 \\
 \\
 \\
 \\
 \times \\
 \hline
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \hline
 7 \ 9 \ 0 \ 3 \ 2
 \end{array}$$

So, the total cost of the bricks is \$79032.

Page	Answers
99	<p>(1) (a) How much money did Toby originally receive? \$831</p> <p>(b) When Toby shared the money equally, how much did each person receive?</p> <p>\$277</p> $ \begin{array}{r} 277 \\ 3 \overline{) 831} \\ \underline{- 6} \\ 23 \\ \underline{- 21} \\ 21 \\ \underline{- 21} \\ 0 \end{array} $

(2) (a) $171 + 3 = 57$

$$\begin{array}{r} 57 \\ 3 \overline{) 171} \\ \underline{- 15} \\ 21 \\ \underline{- 21} \\ 0 \end{array}$$

(b) $678 + 3 = 226$

$$\begin{array}{r} 226 \\ 3 \overline{) 678} \\ \underline{- 6} \\ 07 \\ \underline{- 6} \\ 18 \\ \underline{- 18} \\ 0 \end{array}$$

(c) $796 + 4 = 199$

$$\begin{array}{r} 199 \\ 4 \overline{) 796} \\ \underline{- 4} \\ 39 \\ \underline{- 36} \\ 36 \\ \underline{- 36} \\ 0 \end{array}$$

(d) $685 + 5 = 137$

$$\begin{array}{r} 137 \\ 5 \overline{) 685} \\ \underline{- 5} \\ 18 \\ \underline{- 15} \\ 35 \\ \underline{- 35} \\ 0 \end{array}$$

(3) (a) $748 + 4 = 187$

$$\begin{array}{r} 187 \\ 4 \overline{) 748} \\ \underline{- 4} \\ 34 \\ \underline{- 32} \\ 28 \\ \underline{- 28} \\ 0 \end{array}$$

(b) $340 + 5 = 68$

$$\begin{array}{r} 68 \\ 5 \overline{) 340} \\ \underline{- 30} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

(c) $522 + 6 = 87$

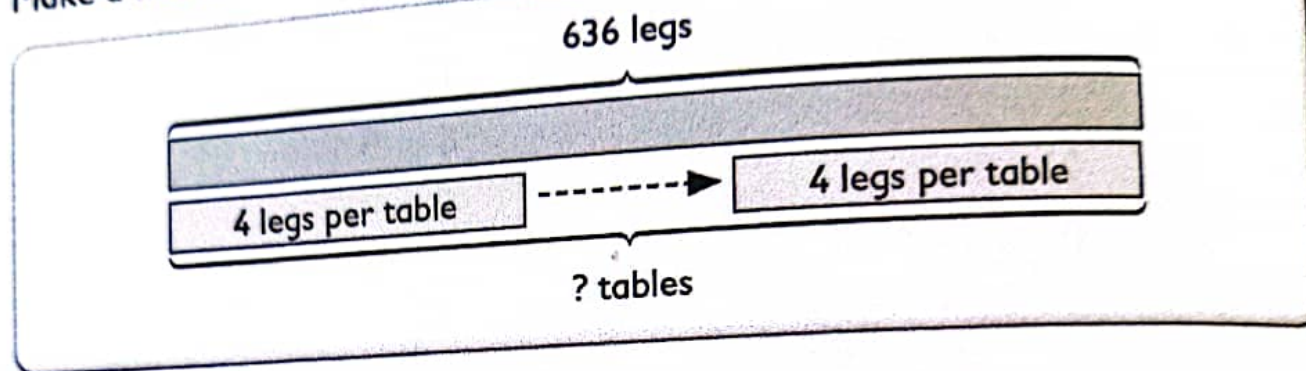
$$\begin{array}{r} 87 \\ 6 \overline{) 522} \\ \underline{- 48} \\ 42 \\ \underline{- 42} \\ 0 \end{array}$$

(d) $259 + 7 = 37$

$$\begin{array}{r} 37 \\ 7 \overline{) 259} \\ \underline{- 21} \\ 49 \\ \underline{- 49} \\ 0 \end{array}$$

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(1) (a) Make a model of the problem.



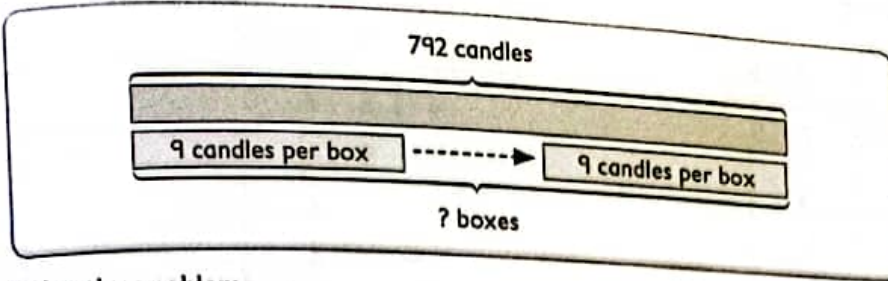
(b) Solve the problem.

$$\begin{array}{r} 159 \\ 4 \overline{) 636} \\ \underline{- 4} \\ 23 \\ \underline{- 20} \\ 36 \\ \underline{- 36} \\ 0 \end{array}$$

(c) Relate the answer to the problem.

So, 159 tables can be made using these legs.

(2) (a) Make a model of the problem.



(b) Solve the problem.

$$\begin{array}{r}
 88 \\
 9 \overline{) 792} \\
 \underline{- 72} \\
 72 \\
 \underline{- 72} \\
 0
 \end{array}$$

(c) Relate the answer to the problem.

So, 88 boxes can be packed with the candles produced in 1 day.

(3) (a)

$$\begin{array}{r}
 138 \\
 6 \overline{) 828} \\
 \underline{- 6} \\
 22 \\
 \underline{- 18} \\
 48 \\
 \underline{- 48} \\
 0
 \end{array}$$

(b)

$$\begin{array}{r}
 154 \\
 4 \overline{) 616} \\
 \underline{- 4} \\
 21 \\
 \underline{- 20} \\
 16 \\
 \underline{- 16} \\
 0
 \end{array}$$

(c)

$$\begin{array}{r}
 87 \\
 6 \overline{) 522} \\
 \underline{- 0} \\
 52 \\
 \underline{- 48} \\
 42 \\
 \underline{- 42} \\
 0
 \end{array}$$

(d)

$$\begin{array}{r}
 108 \\
 7 \overline{) 756} \\
 \underline{- 0} \\
 75 \\
 \underline{- 70} \\
 56 \\
 \underline{- 56} \\
 0
 \end{array}$$

(4) (a) $670 \div 5$

$$\begin{array}{r} \text{1 3 5} \\ 5 \overline{) 670} \\ \underline{-5} \\ 17 \\ \underline{-15} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

(c) $843 \div 3$

$$\begin{array}{r} \text{2 8 1} \\ 3 \overline{) 843} \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 3 \\ \underline{-3} \\ 0 \end{array}$$

(b) $860 \div 4$

$$\begin{array}{r} \text{2 1 5} \\ 4 \overline{) 860} \\ \underline{-8} \\ 6 \\ \underline{-6} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

(d) $874 \div 2$

$$\begin{array}{r} \text{4 3 7} \\ 2 \overline{) 874} \\ \underline{-8} \\ 7 \\ \underline{-6} \\ 14 \\ \underline{-14} \\ 0 \end{array}$$

(1) (a) $\begin{array}{r} 1 \ 5 \ 2 \ r2 \\ 4 \overline{) 6 \ 1 \ 0} \\ - 4 \\ \hline 2 \ 1 \\ - 2 \ 0 \\ \hline \ 1 \ 0 \\ - \ 8 \\ \hline \ 2 \end{array}$

(b) $\begin{array}{r} 5 \ 1 \ r3 \\ 7 \overline{) 3 \ 6 \ 0} \\ - 0 \\ \hline 3 \ 6 \\ - 3 \ 5 \\ \hline \ 1 \ 0 \\ - \ 7 \\ \hline \ 3 \end{array}$

(c) $\begin{array}{r} 3 \ 3 \ r3 \\ 9 \overline{) 3 \ 0 \ 0} \\ - 0 \\ \hline 3 \ 0 \\ - 2 \ 7 \\ \hline \ 3 \ 0 \\ - \ 2 \ 7 \\ \hline \ 3 \end{array}$

(d) $\begin{array}{r} 1 \ 0 \ 7 \ r2 \\ 8 \overline{) 8 \ 5 \ 8} \\ - 8 \\ \hline 0 \ 5 \\ - 0 \ 0 \\ \hline \ 5 \ 8 \\ - \ 5 \ 6 \\ \hline \ 2 \end{array}$

(a) $65 \div 3 = 21 \frac{2}{3}$

$$\begin{array}{r} 21 \\ 3 \overline{) 65} \\ \underline{- 6} \\ 05 \\ \underline{- 3} \\ 2 \end{array}$$

(b) $88 \div 6 = 14 \frac{4}{6}$

$$\begin{array}{r} 14 \\ 6 \overline{) 88} \\ \underline{- 6} \\ 28 \\ \underline{- 24} \\ 4 \end{array}$$

Also accept $14\frac{2}{3}$.

(c) $865 \div 2 = 432 \frac{1}{2}$

$$\begin{array}{r} 432 \\ 2 \overline{) 865} \\ \underline{- 8} \\ 06 \\ \underline{- 6} \\ 05 \\ \underline{- 4} \\ 1 \end{array}$$

(d) $762 \div 5 = 152 \frac{2}{5}$

$$\begin{array}{r} 152 \\ 5 \overline{) 762} \\ \underline{- 5} \\ 26 \\ \underline{- 25} \\ 12 \\ \underline{- 10} \\ 2 \end{array}$$