

Student book

Let's Try It

Page	Answers
83	(a) If $4 \times 9 = 36$ then $40 \times 9 = \underline{360}$ (b) If $8 \times 3 = 24$ then $8 \times 30 = \underline{240}$ (c) If $7 \times 7 = 49$ then $700 \times 7 = \underline{4900}$ (d) If $2 \times 9 = 18$ then $20 \times 9 = \underline{180}$ (e) If $3 \times 4 = 12$ then $3 \times 400 = \underline{1200}$ (f) If $5 \times 6 = 30$ then $500 \times 6 = \underline{3000}$

Let's Practise

Page	Answers
92	(a) 1, 3 (b) 1, 2, 3, 6 (c) 1, 2, 4, 8, 16 (d) 1, 2, 4, 7, 14, 28 (e) 1, 2, 4, 8, 16, 32 (f) 1, 2, 4, 5, 8, 10, 20, 40 (g) 1, 2, 29, 58 (h) 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

Page	Answers
96	<p>(1) The block of chocolate is divided into 24 small pieces of chocolate.</p> <p>If each piece of chocolate weighs 28 grams, find the total mass of the block of chocolate.</p> <p>We should start by making an estimate.</p> $\begin{aligned} 24 &\approx 20 \\ 28 &\approx 30 \\ 20 \times 30 &= 600 \end{aligned}$ <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> $\begin{array}{r} 24 \\ \times 28 \\ \hline 192 \\ + 480 \\ \hline 672 \end{array}$ </div> <p>So, $24 \times 28 = 672$</p> <p>The block of chocolate weighs a total of 672 grams.</p> <p>Is this more than or less than to the estimate? more</p>

97

(2) We need to find the product of 64 and 32.

We should start by making an estimate.

$$64 \approx 60$$

$$32 \approx 30$$

$$60 \times 30 = 1800$$

Let's find the answer using the column method.

			6	4
×			3	2
<hr/>				
		1	2	8
+	1	9	2	0
<hr/>				
	2	0	4	8

So, $64 \times 32 = 2048$

Is this more than or less than to the estimate? more

Let's Try It

Page	Answers
100–101	<p>(1)</p> $\begin{array}{r} \\ \times \\ \hline \\ + \\ \hline \end{array}$ <p>There are 208 flats in Tya's block.</p> <p>(2)</p> $\begin{array}{r} \\ \times \\ \hline \\ + \\ \hline \end{array}$ <p>There are 368 shells altogether.</p>

Let's Practise

Page	Answers
101	<p>(1) $\\$12 \times 45 = \\540 45 new plates will cost \$540.</p> <p>(2) (a) $\\$15 \times 32 = \\480 \$480 is needed.</p> <p>(b) $\\$600 - \\$480 = \\$120$ They have \$120 left.</p> <p>(c) $\\$27 \times 17 = \\459 The tickets cost \$459.</p> <p>(d) $\\$15 \times 24 = \\360 Han received \$360 from his grandparents.</p>

Workbook

73	(2) (a) 4, 8, 16, 20	(b) 7, 14, 28, 35	(c) 3, 6, 12, 18, 21	(d) 9, 18, 27, 36, 45
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Page	Answers
74	<p>(1) (a) $5 \times 6 = 30$ (b) $8 \times 3 = 24$ (c) $9 \times 3 = 27$ (d) $7 \times 6 = 42$ $\underline{50 \times 6 = 300}$ $\underline{80 \times 3 = 240}$ $\underline{90 \times 3 = 270}$ $\underline{70 \times 6 = 420}$ $5 \times 60 = 300$ $8 \times 30 = 240$ $9 \times 30 = 270$ $7 \times 60 = 420$ $\underline{500 \times 6 = 3000}$ $\underline{800 \times 3 = 2400}$ $\underline{900 \times 3 = 2700}$ $\underline{700 \times 6 = 4200}$ $5 \times 600 = 3000$ $8 \times 300 = 2400$ $9 \times 300 = 2700$ $7 \times 600 = 4200$</p> <p>(2) (c) If $7 \times 3 = 21$, then $7 \times 300 = 2100$ $70 \times 3 = 210$</p>

Page	Answers
81	<p>(1) (a) First, let's make an estimate.</p> <p style="text-align: center;"> 75 \approx 80 37 \approx 40 80 \times 40 $=$ 3200 </p>

$$\begin{array}{r}
 75 \\
 \times 37 \\
 \hline
 525 \\
 + 2250 \\
 \hline
 2775
 \end{array}$$

So, the product of 75 and 37 is 2775.
This is close to the estimate of 3200.

Problem Solving

(1) Class A:

$$\begin{array}{r}
 \\
 \times \\
 \hline
 \\
 + \\
 \hline

 \end{array}$$

Class B:

$$\begin{array}{r}
 \\
 \times \\
 \hline
 \\
 + \\
 \hline

 \end{array}$$

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.

Page

Answers

90

(1)

$$\begin{array}{r}
 \\
 \times \\
 \hline
 \\
 + \\
 \hline

 \end{array}$$

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

91

(3) Part 1

$$\begin{array}{r}
 \\
 \times \\
 \hline

 \end{array}$$

So, the total mass will be 59274 kg.