

Multiplication

Unit Review (page 1 of 2)

1. Multiply.

$$90 \times 70 = \underline{\hspace{2cm}}$$

$$20 \times 500 = \underline{\hspace{2cm}}$$

$$40 \times 7,000 = \underline{\hspace{2cm}}$$

$$900 \times 400 = \underline{\hspace{2cm}}$$

2. Write the missing numbers.

$$10^6 = \underline{\hspace{2cm}}$$

$$73 \times 10^4 = \underline{\hspace{2cm}}$$

$$540 \times 10^2 = \underline{\hspace{2cm}}$$

$$7 \times 10^{\boxed{}} = 700,000$$

3. Round each factor to its greatest place. Is each answer reasonable?

$$412 \times 38 = 15,656 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$917 \times 31 = 3,668 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

4. Fill in the model, then multiply.

	40	6
80		
2		

$$46 \times 82 = \underline{\hspace{2cm}}$$

5. Break apart 39 to multiply.

$$64 \times 39 = 64 \times \underline{\hspace{1cm}} + 64 \times \underline{\hspace{1cm}}$$

$$= \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

6. Fill in the model, then multiply.

	400	30	7
60			
5			

$$437 \times 65 = \underline{\hspace{2cm}}$$

Unit Review (page 2 of 2)

$$3,264 \times 52 = 3,264 \times (\quad + \quad)$$
$$= \quad + \quad$$

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29,400

			6	8	3
x				4	7
+					

		3	0	1	5
×				2	4
+					

[illegible]

toys

books

Multiplication

Unit Review (page 1 of 2)

1. Multiply.

$$\begin{aligned} 90 \times 70 &= \underline{6,300} \\ 20 \times 500 &= \underline{10,000} \\ 40 \times 7,000 &= \underline{280,000} \\ 900 \times 400 &= \underline{360,000} \end{aligned}$$

Lesson 3.1 · Multiply by multiples of 10, 100 and 1,000

2. Write the missing numbers.

$$\begin{aligned} 10^6 &= \underline{1,000,000} \\ 73 \times 10^4 &= \underline{730,000} \\ 540 \times 10^2 &= \underline{54,000} \\ 7 \times 10^{\boxed{5}} &= \underline{700,000} \end{aligned}$$

Lesson 3.1 · Multiply by multiples of 10, 100 and 1,000

3. Round each factor to its greatest place. Is each answer reasonable?

$$412 \times 38 = 15,656 \quad \text{Yes} \quad \text{No}$$

Estimate $\underline{400} \times \underline{40} = \underline{16,000}$

$$917 \times 31 = 3,668 \quad \text{Yes} \quad \text{No}$$

Estimate $\underline{900} \times \underline{30} = \underline{27,000}$

Lesson 3.2 · Estimate products

4. Fill in the model, then multiply.

	40	6
80	<u>3,200</u>	<u>480</u>
2	<u>80</u>	<u>12</u>

$$46 \times 82 = \underline{3,772}$$

Lesson 3.3 · 2-digit times 2-digit

5. Break apart 39 to multiply.

$$\begin{aligned} 64 \times 39 &= 64 \times \underline{30} + 64 \times \underline{9} \\ &= \underline{1,920} + \underline{576} = \underline{2,496} \end{aligned}$$

One way

Lesson 3.3 · 2-digit times 2-digit

6. Fill in the model, then multiply.

	400	30	7
60	<u>24,000</u>	<u>1,800</u>	<u>420</u>
5	<u>2,000</u>	<u>150</u>	<u>35</u>

$$437 \times 65 = \underline{28,405}$$

Lesson 3.4 · 3- and 4-digit times 2-digit

Unit Review (page 2 of 2)

7. Break apart 52 to multiply.

$$\begin{aligned} 3,264 \times 52 &= 3,264 \times (\underline{50} + \underline{2}) \\ &= \underline{163,200} + \underline{6,528} \\ &= \underline{169,728} \end{aligned}$$

One way

One way

Lesson 3.4 · 3- and 4-digit times 2-digit

8. In the standard algorithm, circle what the second row is worth.

49×63

2,440 2,940 29,400

Lesson 3.5 · The standard algorithm

9. Multiply.

			3	1	
			5	2	
		6	8	3	
×			4	7	
		4	7	8	1
+	2	7	3	2	0
	3	2	1	0	1

Lesson 3.5 · The standard algorithm

10. Multiply.

				1	
				2	
		3	0	1	5
×				2	4
	1	2	0	6	0
+	6	0	3	0	0
	7	2	3	6	0

Lesson 3.6 · Larger factors and zeros

11. Multiply.

				2	
				2	
				5	
			2	0	7
x			3	4	8
		1	6	5	6
		8	2	8	0
+	6	2	1	0	0
	7	2	0	3	6

Lesson 3.6 · Larger factors and zeros

12. A factory makes **375** toys each hour. How many toys does it make in **18** hours?

$$375 \times 18 = 6,750$$

6,750 toys

Lesson 3.7 · Multiplication stories

13. A library has 35 shelves of 128 books. It lends out 690 books. How many books are left?

$$35 \times 128 = 4,480$$
$$4,480 - 690 = 3,790$$

One way

3,790 books

Lesson 3.7 · Multiplication stories