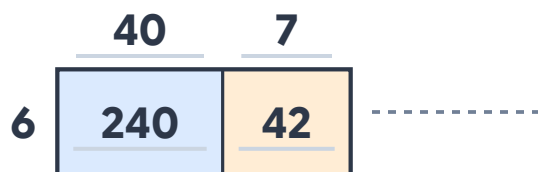


Multiply by 1-Digit Numbers

Split the number into tens and ones. Multiply each part.

Write the parts on top. Fill in the model. Then add the partial products.

Example 47×6



			4	7
×				6
			4	2
+			2	4
			0	
			2	8
			2	

(6 × 7)
(6 × 40)

1. 68×4



			6	8
×				4
+				

2. 35×7



			3	5
×				7
+				

3. 29×8



			2	9
×				8
+				

4. 54×9



			5	4
×				9
+				

Multiply by 1-Digit Numbers

Split the number by place value. Multiply each part. Add.

Write the parts on top. Multiply each part. Then add the parts.

Example

254×3

	200	50	4
3	600	150	12

$254 \times 3 = 762$

1. 173×6

6			
---	--	--	--

$173 \times 6 =$

2. $2,318 \times 4$

4				
---	--	--	--	--

$2,318 \times 4 =$

3. $1,426 \times 7$

7				
---	--	--	--	--

$1,426 \times 7 =$

Write a partial product for each place, ones first. Then add.

Example

		5	3	8	
×				4	
			3	2	(4 × 8)
		1	2	0	(4 × 30)
+	2	0	0	0	(4 × 500)
	2	1	5	2	

4.

	2	4	6	3	
×				3	
					(3 × 3)
					(3 × 60)
					(3 × 400)
+					(3 × 2,000)

5.

	1	7	8	5	
×				5	
					(5 × 5)
					(5 × 80)
					(5 × 700)
+					(5 × 1,000)

Multiply by 1-Digit Numbers

Multiply the ones, then the tens, then the hundreds.

Multiply. Write regrouped digits in the small boxes above.

Example

			2	
		5	7	
×				4
		2	2	8

1.

		8	6	
×				7

2.

		3	9	
×				8

3.

		9	4	
×				6

4.

		2	7	3
×				4

5.

		5	0	8
×				6

6.

		1	4	6
×				9

7.

		3	6	5
×				7

8.

		4	9	2
×				3

9.

		8	1	4
×				5

10.

		6	8	7
×				8

11.

		2	5	9
×				6

Multiply by 1-Digit Numbers

Multiply 4-digit numbers. Then find the mistakes.

Multiply. Write regrouped digits in the small boxes above.

Example

		2	2	3	
	1	6	5	9	
×					4
	6	6	3	6	

1.

	4	0	2	6	
×					7

2.

	3	5	0	7	
×					6

3.

	6	2	4	8	
×					5

4.

	2	0	9	3	
×					8

5.

	7	3	0	5	
×					4

Find the mistake. Circle the first wrong digit. Write the right product.

6. Leo multiplied $2,374 \times 3$.

		2	1		
	2	3	7	4	
×					3
	6	9	1	2	

Right product:

7. Ava multiplied $1,586 \times 7$.

		3	5	4	
	1	5	8	6	
×					7
	7	5	6	2	

Right product:

Multiply by 1-Digit Numbers

Estimate first. Then multiply and check that it makes sense.

Round the bigger number to its greatest place. Is the answer reasonable?

Example $2,104 \times 5 = 1,052$

Estimate: $2,000 \times 5 = 10,000$

Reasonable? Yes **No**

1. $478 \times 7 = 3,346$

Estimate: _____ $\times 7 =$ _____

Reasonable? Yes No

2. $615 \times 8 = 49,200$

Estimate: _____ $\times 8 =$ _____

Reasonable? Yes No

3. $1,947 \times 6 = 11,682$

Estimate: _____ $\times 6 =$ _____

Reasonable? Yes No

Estimate first. Then solve. Show your work.

Example A bakery makes 245 bagels each day. How many bagels does it make in 6 days?

Estimate: $200 \times 6 = 1,200$

$245 \times 6 = 1,470$

1,470 bagels

4. A box holds 1,250 paper clips. How many paper clips are in 4 boxes?

Estimate: _____

_____ paper clips

5. A plane flies 2,385 miles each day. How many miles does it fly in 3 days?

Estimate: _____

_____ miles

6. Each of 8 classes reads 176 books this year. How many books do they read in all?

Estimate: _____

_____ books

Multiply by 1-Digit Numbers

Split the number into tens and ones. Multiply each part.

Write the parts on top. Fill in the model. Then add the partial products.

Example

47×6

	<u>40</u>	<u>7</u>
6	240	42

			4	7	
×				6	
			4	2	(6 × 7)
+		2	4	0	(6 × 40)
		2	8	2	

1. 68×4

	<u> </u>	<u> </u>
4		

			6	8	
×				4	
+					

2. 35×7

	<u> </u>	<u> </u>
7		

			3	5	
×				7	
+					

3. 29×8

	<u> </u>	<u> </u>
8		

			2	9	
×				8	
+					

4. 54×9

	<u> </u>	<u> </u>
9		

			5	4	
×				9	
+					

Multiply by 1-Digit Numbers

Split the number by place value. Multiply each part. Add.

Write the parts on top. Multiply each part. Then add the parts.

Example

254×3

	200	50	4
3	600	150	12

$254 \times 3 = 762$

1. 173×6

6			

$173 \times 6 =$

2. $2,318 \times 4$

4				

$2,318 \times 4 =$

3. $1,426 \times 7$

7				

$1,426 \times 7 =$

Write a partial product for each place, ones first. Then add.

Example

		5	3	8	
×				4	
			3	2	(4 × 8)
		1	2	0	(4 × 30)
+	2	0	0	0	(4 × 500)
	2	1	5	2	

4.

		2	4	6	3
x					3
+					

(3 × 3)
(3 × 60)
(3 × 400)
(3 × 2,000)

5.

		1	7	8	5
x					5
+					

(5 × 5)
(5 × 80)
(5 × 700)
(5 × 1,000)

Multiply by 1-Digit Numbers

Multiply the ones, then the tens, then the hundreds.

Multiply. Write regrouped digits in the small boxes above.

Example

			2	
		5	7	
x				4
		2	2	8

1.

		8	6	
x				7

2.

		3	9	
x				8

3.

		9	4	
x				6

4.

		2	7	3
x				4

5.

		5	0	8
x				6

6.

		1	4	6
x				9

7.

		3	6	5
x				7

8.

		4	9	2
x				3

9.

		8	1	4
x				5

10.

		6	8	7
x				8

11.

		2	5	9
x				6

Multiply by 1-Digit Numbers

Multiply 4-digit numbers. Then find the mistakes.

Multiply. Write regrouped digits in the small boxes above.

Example

		2	2	3	
	1	6	5	9	
×					4
	6	6	3	6	

1.

	4	0	2	6	
×					7

2.

	3	5	0	7	
×					6

3.

	6	2	4	8	
×					5

4.

	2	0	9	3	
×					8

5.

	7	3	0	5	
×					4

Find the mistake. Circle the first wrong digit. Write the right product.

6. Leo multiplied $2,374 \times 3$.

		2	1		
	2	3	7	4	
×					3
	6	9	1	2	

Right product:

7. Ava multiplied $1,586 \times 7$.

		3	5	4	
	1	5	8	6	
×					7
	7	5	6	2	

Right product:

Multiply by 1-Digit Numbers

Estimate first. Then multiply and check that it makes sense.

Round the bigger number to its greatest place. Is the answer reasonable?

Example

$$2,104 \times 5 = 1,052$$

Estimate: 2,000 $\times 5 =$ 10,000

Reasonable? Yes **No**

1. $478 \times 7 = 3,346$

Estimate: _____ $\times 7 =$ _____

Reasonable? Yes No

2. $615 \times 8 = 49,200$

Estimate: _____ $\times 8 =$ _____

Reasonable? Yes No

3. $1,947 \times 6 = 11,682$

Estimate: _____ $\times 6 =$ _____

Reasonable? Yes No

Estimate first. Then solve. Show your work.

Example

A bakery makes 245 bagels each day. How many bagels does it make in 6 days?

Estimate: 200 $\times 6 =$ 1,200

$$245 \times 6 = 1,470$$

1,470 bagels

4. A box holds 1,250 paper clips. How many paper clips are in 4 boxes?

Estimate: _____

_____ paper clips

5. A plane flies 2,385 miles each day. How many miles does it fly in 3 days?

Estimate: _____

_____ miles

6. Each of 8 classes reads 176 books this year. How many books do they read in all?

Estimate: _____

_____ books

Multiply by 1-Digit Numbers

Split the number into tens and ones. Multiply each part.

Write the parts on top. Fill in the model. Then add the partial products.

Example

47×6

	40	7
6	240	42

		4	7
x			6
		4	2
+	2	4	0
	2	8	2

(6 × 7)
(6 × 40)

1. 68×4

	60	8
4	240	32

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

(4 × 8)
(4 × 60)

2. 35×7

	30	5
7	210	35

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

(7 × 5)
(7 × 30)

3. 29×8

	20	9
8	160	72

		2	9
x			8
		7	2
+	1	6	0
	2	3	2

(8 × 9)
(8 × 20)

4. 54×9

	50	4
9	450	36

		5	4
x			9
		3	6
+	4	5	0
	4	8	6

(9 × 4)
(9 × 50)

Multiply by 1-Digit Numbers

Split the number by place value. Multiply each part. Add.

Write the parts on top. Multiply each part. Then add the parts.

Example

254×3

	200	50	4
3	600	150	12

$254 \times 3 = 762$

$1. 173 \times 6$

	100	70	3
6	600	420	18

$173 \times 6 = 1,038$

$2. 2,318 \times 4$

	2,000	300	10	8
4	8,000	1,200	40	32

$2,318 \times 4 = 9,272$

$3. 1,426 \times 7$

	1,000	400	20	6
7	7,000	2,800	140	42

$1,426 \times 7 = 9,982$

Write a partial product for each place, ones first. Then add.

Example

		5	3	8	
×				4	
			3	2	(4 × 8)
		1	2	0	(4 × 30)
+	2	0	0	0	(4 × 500)
	2	1	5	2	

4.

	2	4	6	3	
×				3	
				9	(3 × 3)
		1	8	0	(3 × 60)
	1	2	0	0	(3 × 400)
+	6	0	0	0	(3 × 2,000)
	7	3	8	9	

5.

	1	7	8	5	
×				5	
			2	5	(5 × 5)
		4	0	0	(5 × 80)
	3	5	0	0	(5 × 700)
+	5	0	0	0	(5 × 1,000)
	8	9	2	5	

Multiply by 1-Digit Numbers

Multiply the ones, then the tens, then the hundreds.

Multiply. Write regrouped digits in the small boxes above.

Example

$$\begin{array}{r} 2 \\ 57 \\ \times 4 \\ \hline 228 \end{array}$$

1.

$$\begin{array}{r} 4 \\ 86 \\ \times 7 \\ \hline 602 \end{array}$$

2.

$$\begin{array}{r} 7 \\ 39 \\ \times 8 \\ \hline 312 \end{array}$$

3.

$$\begin{array}{r} 2 \\ 94 \\ \times 6 \\ \hline 564 \end{array}$$

4.

$$\begin{array}{r} 21 \\ 273 \\ \times 4 \\ \hline 1092 \end{array}$$

5.

$$\begin{array}{r} 4 \\ 508 \\ \times 6 \\ \hline 3048 \end{array}$$

6.

$$\begin{array}{r} 45 \\ 146 \\ \times 9 \\ \hline 1314 \end{array}$$

7.

$$\begin{array}{r} 43 \\ 365 \\ \times 7 \\ \hline 2555 \end{array}$$

8.

$$\begin{array}{r} 2 \\ 492 \\ \times 3 \\ \hline 1476 \end{array}$$

9.

$$\begin{array}{r} 2 \\ 814 \\ \times 5 \\ \hline 4070 \end{array}$$

10.

$$\begin{array}{r} 65 \\ 687 \\ \times 8 \\ \hline 5496 \end{array}$$

11.

$$\begin{array}{r} 35 \\ 259 \\ \times 6 \\ \hline 1554 \end{array}$$

Multiply by 1-Digit Numbers

Multiply 4-digit numbers. Then find the mistakes.

Multiply. Write regrouped digits in the small boxes above.

Example

		2	2	3	
	1	6	5	9	
×					4
	6	6	3	6	

1.

		1	4		
	4	0	2	6	
×					7
	2	8	1	8	2

2.

		3		4	
	3	5	0	7	
×					6
	2	1	0	4	2

3.

		1	2	4	
	6	2	4	8	
×					5
	3	1	2	4	0

4.

		7	2		
	2	0	9	3	
×					8
	1	6	7	4	4

5.

		1		2	
	7	3	0	5	
×					4
	2	9	2	2	0

Find the mistake. Circle the first wrong digit. Write the right product.

6. Leo multiplied $2,374 \times 3$.

		2	1		
	2	3	7	4	
×					3
	6	9	1	2	

Right product:

7,122

7. Ava multiplied $1,586 \times 7$.

		3	5	4	
	1	5	8	6	
×					7
	7	5	6	2	

Right product:

11,102

Multiply by 1-Digit Numbers

Estimate first. Then multiply and check that it makes sense.

Round the bigger number to its greatest place. Is the answer reasonable?

Example

$$2,104 \times 5 = 1,052$$

Estimate: 2,000 $\times 5 =$ 10,000

Reasonable? Yes **No**

1. $478 \times 7 = 3,346$

Estimate: 500 $\times 7 =$ 3,500

Reasonable? **Yes** No

2. $615 \times 8 = 49,200$

Estimate: 600 $\times 8 =$ 4,800

Reasonable? Yes **No**

3. $1,947 \times 6 = 11,682$

Estimate: 2,000 $\times 6 =$ 12,000

Reasonable? **Yes** No

Estimate first. Then solve. Show your work.

Example

A bakery makes 245 bagels each day. How many bagels does it make in 6 days?

Estimate: 200 $\times 6 =$ 1,200

$$245 \times 6 = 1,470$$

1,470 bagels

4. A box holds 1,250 paper clips. How many paper clips are in 4 boxes?

Estimate: 1,000 $\times 4 =$ 4,000

$$1,250 \times 4 = 5,000$$

5,000 paper clips

5. A plane flies 2,385 miles each day. How many miles does it fly in 3 days?

Estimate: 2,000 $\times 3 =$ 6,000

$$2,385 \times 3 = 7,155$$

7,155 miles

6. Each of 8 classes reads 176 books this year. How many books do they read in all?

Estimate: 200 $\times 8 =$ 1,600

$$176 \times 8 = 1,408$$

1,408 books