

CHAPTER
7**Multiplication****Lesson 7.1 Mental Multiplication****Multiply mentally.**

1. $4 \times 3 =$ _____

2. $5 \times 7 =$ _____

3. $9 \times 2 =$ _____

4. $8 \times 3 =$ _____

5. $7 \times 6 =$ _____

6. $4 \times 9 =$ _____

7. $10 \times 3 =$ _____

8. $8 \times 5 =$ _____

9. $6 \times 9 =$ _____

10. $7 \times 7 =$ _____

11. $8 \times 8 =$ _____

12. $9 \times 9 =$ _____

Multiply mentally. Fill in the missing numbers.

13. $4 \times 60 = 4 \times 6 \text{ tens}$

$=$ _____ tens

$=$ _____

14. $4 \times 600 = 4 \times 6 \text{ hundreds}$

$=$ _____ hundreds

$=$ _____

15. $7 \times 80 = 7 \times 8 \text{ tens}$

$=$ _____ tens

$=$ _____

16. $7 \times 800 = 7 \times 8 \text{ hundreds}$

$=$ _____ hundreds

$=$ _____

Name: _____

Date: _____

17. $9 \times 50 = 9 \times 5 \text{ tens}$

$=$ _____ tens

$=$ _____

18. $9 \times 500 = 9 \times 5 \text{ hundreds}$

$=$ _____ hundreds

$=$ _____

Multiply mentally.

19. $3 \times 40 =$ _____

20. $3 \times 400 =$ _____

21. $4 \times 50 =$ _____

22. $4 \times 500 =$ _____

23. $4 \times 80 =$ _____

24. $4 \times 800 =$ _____

25. $5 \times 90 =$ _____

26. $5 \times 900 =$ _____

27. $6 \times 60 =$ _____

28. $6 \times 600 =$ _____

29. $8 \times 80 =$ _____

30. $8 \times 800 =$ _____

31. $7 \times 30 =$ _____

32. $7 \times 300 =$ _____

33. $7 \times 90 =$ _____

34. $7 \times 900 =$ _____

35. $8 \times 20 =$ _____

36. $8 \times 200 =$ _____

37. $9 \times 40 =$ _____

38. $9 \times 400 =$ _____

39. $9 \times 90 =$ _____

40. $9 \times 900 =$ _____

Name: _____

Date: _____

Lesson 7.2 Multiplying Without Regrouping

Fill in the missing numbers.

1. $22 \times 4 = ?$

_____ ones $\times 4 =$ _____ ones

_____ tens $\times 4 =$ _____ tens

$$\begin{array}{r} 22 \\ \times 4 \\ \hline \end{array}$$

2. $31 \times 3 = ?$

_____ one $\times 3 =$ _____ ones

_____ tens $\times 3 =$ _____ tens

$$\begin{array}{r} 31 \\ \times 3 \\ \hline \end{array}$$

3. $43 \times 2 = ?$

_____ ones $\times 2 =$ _____ ones

_____ tens $\times 2 =$ _____ tens

$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

4. $11 \times 6 = ?$

_____ one $\times 6 =$ _____ ones

_____ ten $\times 6 =$ _____ tens

$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$

5. $321 \times 3 = ?$

_____ one $\times 3 =$ _____ ones

_____ tens $\times 3 =$ _____ tens

_____ hundreds $\times 3 =$ _____ hundreds

$$\begin{array}{r} 321 \\ \times 3 \\ \hline \end{array}$$

Name: _____

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6. $324 \times 2 = ?$

_____ ones $\times 2 =$ _____ ones

_____ tens $\times 2 =$ _____ tens

_____ hundreds $\times 2 =$ _____ hundreds

$$\begin{array}{r} 324 \\ \times 2 \\ \hline \end{array}$$

Multiply.

7.
$$\begin{array}{r} 243 \\ \times 2 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 122 \\ \times 4 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 202 \\ \times 4 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 110 \\ \times 5 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 100 \\ \times 7 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 101 \\ \times 9 \\ \hline \end{array}$$

Name: _____

Date: _____

Solve. Show your work.

- 13.** On a visit to a museum, 44 children received souvenirs. Each child received 2 souvenirs. How many souvenirs were given away?

- 14.** Mrs. Raja makes 21 identical hair bands for her dancers. She uses 4 flowers each for each hair band. How many flowers does Mrs. Raja use altogether?

Name: _____

Date: _____

15. Allen prepares 32 desserts. He prepares three times as many sandwiches as desserts. How many sandwiches does Allen prepare?

16. A desk costs \$204.
Mrs. Tay buys two desks.
How much does Mrs. Tay pay for the desks?

Name: _____

Date: _____

Lesson 7.3 Multiplying Ones, Tens, and Hundreds with Regrouping (Part 1)

Fill in the missing numbers.

1. $176 \times 4 = ?$

Step 1 Multiply the ones by 4.

_____ ones $\times 4 =$ _____ ones

Regroup the ones.

_____ ones = _____ tens _____ ones

Step 2 Multiply the tens by 4.

_____ tens $\times 4 =$ _____ tens

Add the tens.

_____ tens + _____ tens = _____ tens

Regroup the tens.

_____ tens = _____ hundreds _____ tens

Step 3 Multiply the hundreds by 4.

_____ hundred $\times 4 =$ _____ hundreds

Add the hundreds.

_____ hundreds + _____ hundreds

$=$ _____ hundreds

So, $176 \times 4 =$ _____.

Name: _____

Date: _____

2. $245 \times 3 = ?$

Step 1 Multiply the ones by 3.

_____ ones $\times 3 =$ _____ ones

Regroup the ones.

_____ ones = _____ ten _____ ones

Step 2 Multiply the tens by 3.

_____ tens $\times 3 =$ _____ tens

Add the tens.

_____ tens + _____ ten = _____ tens

Regroup the tens.

_____ tens = _____ hundred _____ tens

Step 3 Multiply the hundreds by 3.

_____ hundreds $\times 3 =$ _____ hundreds

Add the hundreds.

_____ hundreds + _____ hundred

= _____ hundreds

So, $245 \times 3 =$ _____.

Name: _____

Date: _____

3. $147 \times 4 = ?$

Step 1 Multiply the ones by 4.

_____ ones $\times 4 =$ _____ ones

Regroup the ones.

_____ ones = _____ tens _____ ones

Step 2 Multiply the tens by 4.

_____ tens $\times 4 =$ _____ tens

Add the tens.

_____ tens + _____ tens = _____ tens

Regroup the tens.

_____ tens = _____ hundred _____ tens

Step 3 Multiply the hundreds by 4.

_____ hundreds $\times 4 =$ _____ hundreds

Add the hundreds.

_____ hundreds + _____ hundred

= _____ hundreds

So, $147 \times 4 =$ _____.

Name: _____

Date: _____

Multiply.

4.
$$\begin{array}{r} 358 \\ \times 2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 167 \\ \times 5 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 134 \\ \times 7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 152 \\ \times 6 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 499 \\ \times 2 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 235 \\ \times 4 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 269 \\ \times 2 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 358 \\ \times 2 \\ \hline \end{array}$$

Name: _____

Date: _____

12.

$$\begin{array}{r} 246 \\ \times \quad 4 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 127 \\ \times \quad 5 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 126 \\ \times \quad 7 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 185 \\ \times \quad 5 \\ \hline \end{array}$$

Solve. Show your work

- 16.** Gigi saves \$285 each year.
How much money will she save in 3 years?

Name: _____

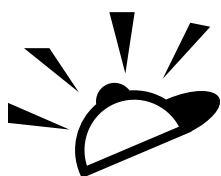
Date: _____

17. Jessie imports 458 roses each month. How many roses does she import in 2 months?

18. Rafi bakes 164 snacks a day. How many snacks does he bake in 6 days?

Name: _____

Date: _____



Put on Your Thinking Cap!

Solve. Regroup the ones and tens when you multiply.

How many different solutions can you find for each of the problems below?

Example

a.

$$\begin{array}{r} \boxed{2} \boxed{0} \\ \times \quad \boxed{7} \\ \hline 1 \quad 4 \quad 0 \end{array}$$

b.

$$\begin{array}{r} \boxed{7} \boxed{0} \\ \times \quad \boxed{2} \\ \hline 1 \quad 4 \quad 0 \end{array}$$

c.

$$\begin{array}{r} \boxed{3} \boxed{5} \\ \times \quad \boxed{4} \\ \hline 1 \quad 4 \quad 0 \end{array}$$

1.

a.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 1 \quad 2 \end{array}$$

b.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 1 \quad 2 \end{array}$$

c.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 1 \quad 2 \end{array}$$

2.

a.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 3 \quad 6 \end{array}$$

b.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 3 \quad 6 \end{array}$$

c.

$$\begin{array}{r} \boxed{} \boxed{} \\ \times \quad \boxed{} \\ \hline 1 \quad 3 \quad 6 \end{array}$$

Name: _____

Date: _____

Arrange the numbers

3. How many different 3-digit numbers can you make using the numbers below

8 6 5

- a. if you can use each digit once only?
- b. if you can use each digit more than once?

4. Find the greatest product and the smallest product by using the following four digits. Use each digit only once.

8 5 4 6

- a. The greatest product

	<input type="text"/>	<input type="text"/>	<input type="text"/>
×			<input type="text"/>
<hr/>			

- b. The smallest product

	<input type="text"/>	<input type="text"/>	<input type="text"/>
×			<input type="text"/>
<hr/>			