

## G3 Templates

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# Lesson 5

## A

Number Correct: \_\_\_\_\_

## Mixed Multiplication

1.	$2 \times 1 =$	
2.	$2 \times 2 =$	
3.	$2 \times 3 =$	
4.	$4 \times 1 =$	
5.	$4 \times 2 =$	
6.	$4 \times 3 =$	
7.	$1 \times 6 =$	
8.	$2 \times 6 =$	
9.	$1 \times 8 =$	
10.	$2 \times 8 =$	
11.	$3 \times 1 =$	
12.	$3 \times 2 =$	
13.	$3 \times 3 =$	
14.	$5 \times 1 =$	
15.	$5 \times 2 =$	
16.	$5 \times 3 =$	
17.	$1 \times 7 =$	
18.	$2 \times 7 =$	
19.	$1 \times 9 =$	
20.	$2 \times 9 =$	
21.	$2 \times 5 =$	
22.	$2 \times 6 =$	

23.	$2 \times 7 =$	
24.	$5 \times 5 =$	
25.	$5 \times 6 =$	
26.	$5 \times 7 =$	
27.	$4 \times 5 =$	
28.	$4 \times 6 =$	
29.	$4 \times 7 =$	
30.	$3 \times 5 =$	
31.	$3 \times 6 =$	
32.	$3 \times 7 =$	
33.	$2 \times 7 =$	
34.	$2 \times 8 =$	
35.	$2 \times 9 =$	
36.	$5 \times 7 =$	
37.	$5 \times 8 =$	
38.	$5 \times 9 =$	
39.	$4 \times 7 =$	
40.	$4 \times 8 =$	
41.	$4 \times 9 =$	
42.	$3 \times 7 =$	
43.	$3 \times 8 =$	
44.	$3 \times 9 =$	

**B**

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

## Mixed Multiplication

1.	$5 \times 1 =$	
2.	$5 \times 2 =$	
3.	$5 \times 3 =$	
4.	$3 \times 1 =$	
5.	$3 \times 2 =$	
6.	$3 \times 3 =$	
7.	$1 \times 7 =$	
8.	$2 \times 7 =$	
9.	$1 \times 9 =$	
10.	$2 \times 9 =$	
11.	$2 \times 1 =$	
12.	$2 \times 2 =$	
13.	$2 \times 3 =$	
14.	$4 \times 1 =$	
15.	$4 \times 2 =$	
16.	$4 \times 3 =$	
17.	$1 \times 6 =$	
18.	$2 \times 6 =$	
19.	$1 \times 8 =$	
20.	$2 \times 8 =$	
21.	$5 \times 5 =$	
22.	$5 \times 6 =$	

23.	$5 \times 7 =$	
24.	$2 \times 5 =$	
25.	$2 \times 6 =$	
26.	$2 \times 7 =$	
27.	$3 \times 5 =$	
28.	$3 \times 6 =$	
29.	$3 \times 7 =$	
30.	$4 \times 5 =$	
31.	$4 \times 6 =$	
32.	$4 \times 7 =$	
33.	$5 \times 7 =$	
34.	$5 \times 8 =$	
35.	$5 \times 9 =$	
36.	$2 \times 7 =$	
37.	$2 \times 8 =$	
38.	$2 \times 9 =$	
39.	$3 \times 7 =$	
40.	$3 \times 8 =$	
41.	$3 \times 9 =$	
42.	$4 \times 7 =$	
43.	$4 \times 8 =$	
44.	$4 \times 9 =$	

# Lesson 6

## A

Number Correct: \_\_\_\_\_

Use the Commutative Property to Multiply

1.	$2 \times 2 =$	
2.	$2 \times 3 =$	
3.	$3 \times 2 =$	
4.	$2 \times 4 =$	
5.	$4 \times 2 =$	
6.	$2 \times 5 =$	
7.	$5 \times 2 =$	
8.	$2 \times 6 =$	
9.	$6 \times 2 =$	
10.	$2 \times 7 =$	
11.	$7 \times 2 =$	
12.	$2 \times 8 =$	
13.	$8 \times 2 =$	
14.	$2 \times 9 =$	
15.	$9 \times 2 =$	
16.	$2 \times 10 =$	
17.	$10 \times 2 =$	
18.	$5 \times 3 =$	
19.	$3 \times 5 =$	
20.	$5 \times 4 =$	
21.	$4 \times 5 =$	
22.	$5 \times 5 =$	

23.	$5 \times 6 =$	
24.	$6 \times 5 =$	
25.	$5 \times 7 =$	
26.	$7 \times 5 =$	
27.	$5 \times 8 =$	
28.	$8 \times 5 =$	
29.	$5 \times 9 =$	
30.	$9 \times 5 =$	
31.	$5 \times 10 =$	
32.	$10 \times 5 =$	
33.	$3 \times 3 =$	
34.	$3 \times 4 =$	
35.	$4 \times 3 =$	
36.	$3 \times 6 =$	
37.	$6 \times 3 =$	
38.	$3 \times 7 =$	
39.	$7 \times 3 =$	
40.	$3 \times 8 =$	
41.	$8 \times 3 =$	
42.	$3 \times 9 =$	
43.	$9 \times 3 =$	
44.	$4 \times 4 =$	

**B**

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

Use the Commutative Property to Multiply

1.	$5 \times 2 =$	
2.	$2 \times 5 =$	
3.	$5 \times 3 =$	
4.	$3 \times 5 =$	
5.	$5 \times 4 =$	
6.	$4 \times 5 =$	
7.	$5 \times 5 =$	
8.	$5 \times 6 =$	
9.	$6 \times 5 =$	
10.	$5 \times 7 =$	
11.	$7 \times 5 =$	
12.	$5 \times 8 =$	
13.	$8 \times 5 =$	
14.	$5 \times 9 =$	
15.	$9 \times 5 =$	
16.	$5 \times 10 =$	
17.	$10 \times 5 =$	
18.	$2 \times 2 =$	
19.	$2 \times 3 =$	
20.	$3 \times 2 =$	
21.	$2 \times 4 =$	
22.	$4 \times 2 =$	

23.	$6 \times 2 =$	
24.	$2 \times 6 =$	
25.	$2 \times 7 =$	
26.	$7 \times 2 =$	
27.	$2 \times 8 =$	
28.	$8 \times 2 =$	
29.	$2 \times 9 =$	
30.	$9 \times 2 =$	
31.	$2 \times 10 =$	
32.	$10 \times 2 =$	
33.	$3 \times 3 =$	
34.	$3 \times 4 =$	
35.	$4 \times 3 =$	
36.	$3 \times 6 =$	
37.	$6 \times 3 =$	
38.	$3 \times 7 =$	
39.	$7 \times 3 =$	
40.	$3 \times 8 =$	
41.	$8 \times 3 =$	
42.	$3 \times 9 =$	
43.	$9 \times 3 =$	
44.	$4 \times 4 =$	

# Lesson 7



Multiply.

$5 \times 1 = \underline{\quad}$        $5 \times 2 = \underline{\quad}$        $5 \times 3 = \underline{\quad}$        $5 \times 4 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$

$5 \times 9 = \underline{\quad}$        $5 \times 10 = \underline{\quad}$        $5 \times 5 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 5 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 5 = \underline{\quad}$        $5 \times 10 = \underline{\quad}$

$5 \times 6 = \underline{\quad}$        $5 \times 5 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$

$5 \times 6 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$

$5 \times 6 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$

$5 \times 9 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$

$5 \times 9 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$

$5 \times 7 = \underline{\quad}$        $5 \times 9 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$

$5 \times 9 = \underline{\quad}$        $5 \times 7 = \underline{\quad}$        $5 \times 6 = \underline{\quad}$        $5 \times 8 = \underline{\quad}$

multiply by 5 (6–10)



**Lesson 7:** Multiply and divide with familiar facts using a box to represent the unknown.



# Lesson 9

Multiply.

$6 \times 1 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$

$6 \times 2 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$

$6 \times 2 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$

$6 \times 1 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$     $6 \times 1 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$

$6 \times 2 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$     $6 \times 3 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$     $6 \times 5 = \underline{\quad}$     $6 \times 2 = \underline{\quad}$     $6 \times 4 = \underline{\quad}$

# Lesson 10

Multiply.

$6 \times 1 = \underline{\quad}$

$6 \times 2 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 10 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$6 \times 10 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

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$6 \times 7 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

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$6 \times 7 = \underline{\quad}$

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$6 \times 9 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

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$6 \times 9 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$6 \times 7 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

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 multiply by 6 (6–10)

# Lesson 11

Multiply.

$7 \times 1 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$

$7 \times 5 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$

$7 \times 3 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$

$7 \times 5 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$

$7 \times 2 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$

$7 \times 2 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$

$7 \times 1 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$

$7 \times 4 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$

$7 \times 4 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$

$7 \times 4 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$

$7 \times 4 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$      $7 \times 1 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$

$7 \times 2 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$

$7 \times 4 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$

$7 \times 5 = \underline{\quad\quad}$      $7 \times 3 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$

$7 \times 3 = \underline{\quad\quad}$      $7 \times 5 = \underline{\quad\quad}$      $7 \times 2 = \underline{\quad\quad}$      $7 \times 4 = \underline{\quad\quad}$

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multiply by 7 (1–5)



**Lesson 11:** Understand the function of parentheses and apply to solving problems.

# Lesson 12



Multiply.

$7 \times 1 = \underline{\quad}$        $7 \times 2 = \underline{\quad}$        $7 \times 3 = \underline{\quad}$        $7 \times 4 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$        $7 \times 10 = \underline{\quad}$        $7 \times 5 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 5 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

$7 \times 5 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 5 = \underline{\quad}$        $7 \times 10 = \underline{\quad}$

$7 \times 6 = \underline{\quad}$        $7 \times 5 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$

$7 \times 6 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$

$7 \times 6 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$

$7 \times 8 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$

$7 \times 8 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$

$7 \times 8 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$

$7 \times 7 = \underline{\quad}$        $7 \times 9 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$        $7 \times 7 = \underline{\quad}$        $7 \times 6 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

multiply by 7 (6–10)



# Lesson 13

Multiply.

$8 \times 1 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$

$8 \times 5 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$

$8 \times 3 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$

$8 \times 5 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$

$8 \times 1 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$      $8 \times 1 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$

$8 \times 5 = \underline{\quad}$      $8 \times 3 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$

$8 \times 3 = \underline{\quad}$      $8 \times 5 = \underline{\quad}$      $8 \times 2 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$

multiply by 8 (1–5)





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strip diagram

# Lesson 14

Multiply.

$8 \times 1 = \underline{\quad\quad}$      $8 \times 2 = \underline{\quad\quad}$      $8 \times 3 = \underline{\quad\quad}$      $8 \times 4 = \underline{\quad\quad}$

$8 \times 5 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$

$8 \times 9 = \underline{\quad\quad}$      $8 \times 10 = \underline{\quad\quad}$      $8 \times 5 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$

$8 \times 5 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 5 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$

$8 \times 5 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 5 = \underline{\quad\quad}$      $8 \times 10 = \underline{\quad\quad}$

$8 \times 6 = \underline{\quad\quad}$      $8 \times 5 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$

$8 \times 6 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$

$8 \times 6 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$

$8 \times 8 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$

$8 \times 8 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$

$8 \times 8 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$

$8 \times 9 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$

$8 \times 9 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$

$8 \times 7 = \underline{\quad\quad}$      $8 \times 9 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$

$8 \times 9 = \underline{\quad\quad}$      $8 \times 7 = \underline{\quad\quad}$      $8 \times 6 = \underline{\quad\quad}$      $8 \times 8 = \underline{\quad\quad}$

multiply by 8 (6–10)



**Lesson 14:** Interpret the unknown in multiplication and division to model and solve problems.



# Lesson 15

## A

Number Correct: \_\_\_\_\_

Multiply or Divide by 8

1.	$2 \times 8 =$	
2.	$3 \times 8 =$	
3.	$4 \times 8 =$	
4.	$5 \times 8 =$	
5.	$1 \times 8 =$	
6.	$16 \div 8 =$	
7.	$24 \div 8 =$	
8.	$40 \div 8 =$	
9.	$8 \div 1 =$	
10.	$32 \div 8 =$	
11.	$6 \times 8 =$	
12.	$7 \times 8 =$	
13.	$8 \times 8 =$	
14.	$9 \times 8 =$	
15.	$10 \times 8 =$	
16.	$64 \div 8 =$	
17.	$56 \div 8 =$	
18.	$72 \div 8 =$	
19.	$48 \div 8 =$	
20.	$80 \div 8 =$	
21.	$\underline{\quad} \times 8 = 40$	
22.	$\underline{\quad} \times 8 = 16$	

23.	$\underline{\quad} \times 8 = 80$	
24.	$\underline{\quad} \times 8 = 32$	
25.	$\underline{\quad} \times 8 = 24$	
26.	$80 \div 8 =$	
27.	$40 \div 8 =$	
28.	$8 \div 1 =$	
29.	$16 \div 8 =$	
30.	$24 \div 8 =$	
31.	$\underline{\quad} \times 8 = 48$	
32.	$\underline{\quad} \times 8 = 56$	
33.	$\underline{\quad} \times 8 = 72$	
34.	$\underline{\quad} \times 8 = 64$	
35.	$56 \div 8 =$	
36.	$72 \div 8 =$	
37.	$48 \div 8 =$	
38.	$64 \div 8 =$	
39.	$11 \times 8 =$	
40.	$88 \div 8 =$	
41.	$12 \times 8 =$	
42.	$96 \div 8 =$	
43.	$14 \times 8 =$	
44.	$112 \div 8 =$	



**B**

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

Multiply or Divide by 8

1.	$1 \times 8 =$	
2.	$2 \times 8 =$	
3.	$3 \times 8 =$	
4.	$4 \times 8 =$	
5.	$5 \times 8 =$	
6.	$24 \div 8 =$	
7.	$16 \div 8 =$	
8.	$32 \div 8 =$	
9.	$8 \div 1 =$	
10.	$40 \div 8 =$	
11.	$10 \times 8 =$	
12.	$6 \times 8 =$	
13.	$7 \times 8 =$	
14.	$8 \times 8 =$	
15.	$9 \times 8 =$	
16.	$56 \div 8 =$	
17.	$48 \div 8 =$	
18.	$64 \div 8 =$	
19.	$80 \div 8 =$	
20.	$72 \div 8 =$	
21.	$\underline{\quad} \times 8 = 16$	
22.	$\underline{\quad} \times 8 = 40$	

23.	$\underline{\quad} \times 8 = 48$	
24.	$\underline{\quad} \times 8 = 80$	
25.	$\underline{\quad} \times 8 = 24$	
26.	$16 \div 8 =$	
27.	$8 \div 1 =$	
28.	$80 \div 8 =$	
29.	$40 \div 8 =$	
30.	$24 \div 8 =$	
31.	$\underline{\quad} \times 8 = 64$	
32.	$\underline{\quad} \times 8 = 32$	
33.	$\underline{\quad} \times 8 = 72$	
34.	$\underline{\quad} \times 8 = 56$	
35.	$64 \div 8 =$	
36.	$72 \div 8 =$	
37.	$48 \div 8 =$	
38.	$56 \div 8 =$	
39.	$11 \times 8 =$	
40.	$88 \div 8 =$	
41.	$12 \times 8 =$	
42.	$96 \div 8 =$	
43.	$13 \times 8 =$	
44.	$104 \div 8 =$	

# Lesson 17

## A

Number Correct: \_\_\_\_\_

## Multiply and Divide with 1 and 0

1.	_____ × 1 = 2	
2.	_____ × 1 = 3	
3.	_____ × 1 = 4	
4.	_____ × 1 = 9	
5.	8 × _____ = 0	
6.	9 × _____ = 0	
7.	4 × _____ = 0	
8.	5 × _____ = 5	
9.	6 × _____ = 6	
10.	7 × _____ = 7	
11.	3 × _____ = 3	
12.	0 ÷ 1 = _____	
13.	0 ÷ 2 = _____	
14.	0 ÷ 3 = _____	
15.	0 ÷ 6 = _____	
16.	1 × _____ = 1	
17.	4 ÷ _____ = 4	
18.	5 ÷ _____ = 5	
19.	6 ÷ _____ = 6	
20.	8 ÷ _____ = 8	
21.	_____ × 1 = 5	
22.	3 × _____ = 0	

23.	9 ÷ _____ = 9	
24.	8 × _____ = 8	
25.	_____ × 1 = 1	
26.	0 ÷ 3 = _____	
27.	_____ × 1 = 7	
28.	6 × _____ = 0	
29.	4 × _____ = 4	
30.	0 ÷ 8 = _____	
31.	0 × _____ = 0	
32.	1 ÷ 1 = _____	
33.	_____ × 1 = 24	
34.	17 × _____ = 0	
35.	32 × _____ = 32	
36.	0 ÷ 19 = _____	
37.	46 × _____ = 0	
38.	0 ÷ 51 = _____	
39.	64 × _____ = 64	
40.	_____ × 1 = 79	
41.	0 ÷ 82 = _____	
42.	_____ × 1 = 96	
43.	27 × _____ = 27	
44.	43 × _____ = 0	

**B**

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

Multiply and Divide with 1 and 0

1.	_____ × 1 = 3	
2.	_____ × 1 = 4	
3.	_____ × 1 = 5	
4.	_____ × 1 = 8	
5.	7 × _____ = 0	
6.	8 × _____ = 0	
7.	3 × _____ = 0	
8.	4 × _____ = 4	
9.	5 × _____ = 5	
10.	6 × _____ = 6	
11.	2 × _____ = 2	
12.	0 ÷ 2 = _____	
13.	0 ÷ 3 = _____	
14.	0 ÷ 4 = _____	
15.	0 ÷ 7 = _____	
16.	1 × _____ = 1	
17.	3 ÷ _____ = 3	
18.	4 ÷ _____ = 4	
19.	5 ÷ _____ = 5	
20.	7 ÷ _____ = 7	
21.	_____ × 1 = 6	
22.	4 × _____ = 0	

23.	8 ÷ _____ = 8	
24.	7 × _____ = 7	
25.	_____ × 1 = 1	
26.	0 ÷ 5 = _____	
27.	_____ × 1 = 9	
28.	5 × _____ = 0	
29.	9 × _____ = 9	
30.	0 ÷ 6 = _____	
31.	1 ÷ 1 = _____	
32.	0 × _____ = 0	
33.	_____ × 1 = 34	
34.	16 × _____ = 0	
35.	31 × _____ = 31	
36.	0 ÷ 18 = _____	
37.	45 × _____ = 0	
38.	0 ÷ 52 = _____	
39.	63 × _____ = 63	
40.	_____ × 1 = 78	
41.	0 ÷ 81 = _____	
42.	_____ × 1 = 97	
43.	26 × _____ = 26	
44.	42 × _____ = 0	

# Lesson 19

Multiply.

$9 \times 1 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$

$9 \times 5 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$

$9 \times 3 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$

$9 \times 5 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$

$9 \times 1 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$      $9 \times 1 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$

$9 \times 5 = \underline{\quad}$      $9 \times 3 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$

$9 \times 3 = \underline{\quad}$      $9 \times 5 = \underline{\quad}$      $9 \times 2 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$

---

 multiply by 9 (1–5)

# Lesson 20

## A

Number Correct: \_\_\_\_\_

## Multiply by Multiples of 10

1.	$2 \times 3 =$	
2.	$2 \times 30 =$	
3.	$20 \times 3 =$	
4.	$2 \times 2 =$	
5.	$2 \times 20 =$	
6.	$20 \times 2 =$	
7.	$4 \times 2 =$	
8.	$4 \times 20 =$	
9.	$40 \times 2 =$	
10.	$5 \times 3 =$	
11.	$50 \times 3 =$	
12.	$3 \times 50 =$	
13.	$4 \times 4 =$	
14.	$40 \times 4 =$	
15.	$4 \times 40 =$	
16.	$6 \times 3 =$	
17.	$6 \times 30 =$	
18.	$60 \times 3 =$	
19.	$7 \times 5 =$	
20.	$70 \times 5 =$	
21.	$7 \times 50 =$	
22.	$8 \times 4 =$	

23.	$8 \times 40 =$	
24.	$80 \times 4 =$	
25.	$9 \times 6 =$	
26.	$90 \times 6 =$	
27.	$2 \times 5 =$	
28.	$2 \times 50 =$	
29.	$3 \times 90 =$	
30.	$40 \times 7 =$	
31.	$5 \times 40 =$	
32.	$6 \times 60 =$	
33.	$70 \times 6 =$	
34.	$8 \times 70 =$	
35.	$80 \times 6 =$	
36.	$9 \times 70 =$	
37.	$50 \times 6 =$	
38.	$8 \times 80 =$	
39.	$9 \times 80 =$	
40.	$60 \times 8 =$	
41.	$70 \times 7 =$	
42.	$5 \times 80 =$	
43.	$60 \times 9 =$	
44.	$9 \times 90 =$	



**B**

Multiply by Multiples of 10

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

1.	$4 \times 2 =$	
2.	$4 \times 20 =$	
3.	$40 \times 2 =$	
4.	$3 \times 3 =$	
5.	$3 \times 30 =$	
6.	$30 \times 3 =$	
7.	$3 \times 2 =$	
8.	$3 \times 20 =$	
9.	$30 \times 2 =$	
10.	$5 \times 5 =$	
11.	$50 \times 5 =$	
12.	$5 \times 50 =$	
13.	$4 \times 3 =$	
14.	$40 \times 3 =$	
15.	$4 \times 30 =$	
16.	$7 \times 3 =$	
17.	$7 \times 30 =$	
18.	$70 \times 3 =$	
19.	$6 \times 4 =$	
20.	$60 \times 4 =$	
21.	$6 \times 40 =$	
22.	$9 \times 4 =$	

23.	$9 \times 40 =$	
24.	$90 \times 4 =$	
25.	$8 \times 6 =$	
26.	$80 \times 6 =$	
27.	$5 \times 2 =$	
28.	$5 \times 20 =$	
29.	$3 \times 80 =$	
30.	$40 \times 8 =$	
31.	$4 \times 50 =$	
32.	$8 \times 80 =$	
33.	$90 \times 6 =$	
34.	$6 \times 70 =$	
35.	$60 \times 6 =$	
36.	$7 \times 70 =$	
37.	$60 \times 5 =$	
38.	$6 \times 80 =$	
39.	$7 \times 80 =$	
40.	$80 \times 6 =$	
41.	$90 \times 7 =$	
42.	$8 \times 50 =$	
43.	$80 \times 9 =$	
44.	$7 \times 90 =$	


---

hundreds place value chart



**Lesson 20:** Use concrete models to represent two-digit by one-digit multiplication.

# Lesson 21

Multiply.

$9 \times 1 = \underline{\quad}$	$9 \times 2 = \underline{\quad}$	$9 \times 3 = \underline{\quad}$	$9 \times 4 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 5 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 9 = \underline{\quad}$	$9 \times 10 = \underline{\quad}$	$9 \times 5 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$
----------------------------------	-----------------------------------	----------------------------------	----------------------------------

$9 \times 5 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 5 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 5 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 5 = \underline{\quad}$	$9 \times 10 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	-----------------------------------

$9 \times 6 = \underline{\quad}$	$9 \times 5 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 6 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 6 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 8 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 8 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 8 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 9 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 9 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 7 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

$9 \times 9 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$	$9 \times 8 = \underline{\quad}$
----------------------------------	----------------------------------	----------------------------------	----------------------------------

---

 multiply by 9 (6–10)


\_\_\_\_\_

hundreds place value chart



**Lesson 21:** Draw models to represent two-digit by one-digit multiplication.

# Lesson 22

## A

Number Correct: \_\_\_\_\_

Multiply or Divide by 9

1.	$2 \times 9 =$	
2.	$3 \times 9 =$	
3.	$4 \times 9 =$	
4.	$5 \times 9 =$	
5.	$1 \times 9 =$	
6.	$18 \div 9 =$	
7.	$27 \div 9 =$	
8.	$45 \div 9 =$	
9.	$9 \div 9 =$	
10.	$36 \div 9 =$	
11.	$6 \times 9 =$	
12.	$7 \times 9 =$	
13.	$8 \times 9 =$	
14.	$9 \times 9 =$	
15.	$10 \times 9 =$	
16.	$72 \div 9 =$	
17.	$63 \div 9 =$	
18.	$81 \div 9 =$	
19.	$54 \div 9 =$	
20.	$90 \div 9 =$	
21.	$\underline{\quad} \times 9 = 45$	
22.	$\underline{\quad} \times 9 = 9$	

23.	$\underline{\quad} \times 9 = 90$	
24.	$\underline{\quad} \times 9 = 18$	
25.	$\underline{\quad} \times 9 = 27$	
26.	$90 \div 9 =$	
27.	$45 \div 9 =$	
28.	$9 \div 9 =$	
29.	$18 \div 9 =$	
30.	$27 \div 9 =$	
31.	$\underline{\quad} \times 9 = 54$	
32.	$\underline{\quad} \times 9 = 63$	
33.	$\underline{\quad} \times 9 = 81$	
34.	$\underline{\quad} \times 9 = 72$	
35.	$63 \div 9 =$	
36.	$81 \div 9 =$	
37.	$54 \div 9 =$	
38.	$72 \div 9 =$	
39.	$11 \times 9 =$	
40.	$99 \div 9 =$	
41.	$12 \times 9 =$	
42.	$108 \div 9 =$	
43.	$14 \times 9 =$	
44.	$126 \div 9 =$	

## B

Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

Multiply or Divide by 9

1.	$1 \times 9 =$	
2.	$2 \times 9 =$	
3.	$3 \times 9 =$	
4.	$4 \times 9 =$	
5.	$5 \times 9 =$	
6.	$27 \div 9 =$	
7.	$18 \div 9 =$	
8.	$36 \div 9 =$	
9.	$9 \div 9 =$	
10.	$45 \div 9 =$	
11.	$10 \times 9 =$	
12.	$6 \times 9 =$	
13.	$7 \times 9 =$	
14.	$8 \times 9 =$	
15.	$9 \times 9 =$	
16.	$63 \div 9 =$	
17.	$54 \div 9 =$	
18.	$72 \div 9 =$	
19.	$90 \div 9 =$	
20.	$81 \div 9 =$	
21.	$\underline{\quad} \times 9 = 9$	
22.	$\underline{\quad} \times 9 = 45$	

23.	$\underline{\quad} \times 9 = 18$	
24.	$\underline{\quad} \times 9 = 90$	
25.	$\underline{\quad} \times 9 = 27$	
26.	$18 \div 9 =$	
27.	$9 \div 9 =$	
28.	$90 \div 9 =$	
29.	$45 \div 9 =$	
30.	$27 \div 9 =$	
31.	$\underline{\quad} \times 9 = 27$	
32.	$\underline{\quad} \times 9 = 36$	
33.	$\underline{\quad} \times 9 = 81$	
34.	$\underline{\quad} \times 9 = 63$	
35.	$72 \div 9 =$	
36.	$81 \div 9 =$	
37.	$54 \div 9 =$	
38.	$63 \div 9 =$	
39.	$11 \times 9 =$	
40.	$99 \div 9 =$	
41.	$12 \times 9 =$	
42.	$108 \div 9 =$	
43.	$13 \times 9 =$	
44.	$117 \div 9 =$	



# Lesson 23

$30 \times 6 =$	$9 \times 60 =$	$40 \times 2 =$	$10 \times 6 =$
$70 \times 3 =$	$50 \times 6 =$	$80 \times 9 =$	$20 \times 5 =$
$8 \times 30 =$	$3 \times 30 =$	$5 \times 50 =$	$4 \times 40 =$
$6 \times 80 =$	$70 \times 7 =$	$20 \times 7 =$	$10 \times 7 =$
$90 \times 7 =$	$2 \times 60 =$	$50 \times 7 =$	$80 \times 5 =$
$60 \times 6 =$	$9 \times 50 =$	$30 \times 9 =$	$4 \times 80 =$

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multiples of 10 multiplication cards