

# Unit 7 Basic Multiplication Facts

## Unit 7(a): Multiplication

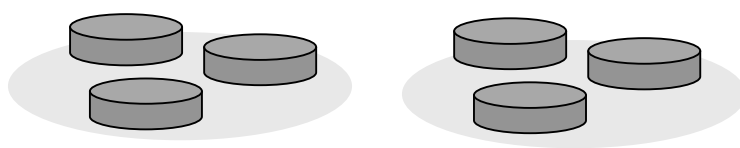
### TEACHING AIDS

You will need:

1. Counting Chips

### TEACHING STEPS

1. Have pupils lay out 2 paper plates. Put three chips in each plate.



Teacher explains that there are 2 sets of 3 chips and this can be written as:

$$2 \times 3 = 6$$

2. Have pupils make a drawing to represent a given a number sentence, e.g.

$$4 \times 2 = 8$$

3. Guide pupils to complete number sentences for multiplication by asking, e.g.  
"How many all together in 5 sets of 3?"

$$5 \times 3 = \square$$

4. Pupils complete Worksheet 7(a).

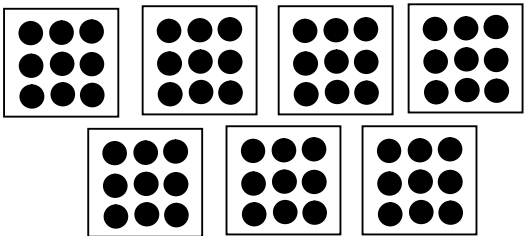
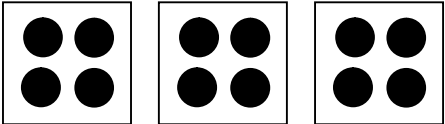
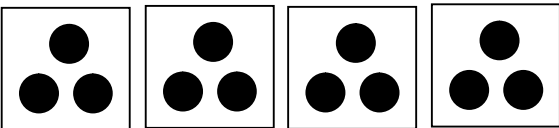
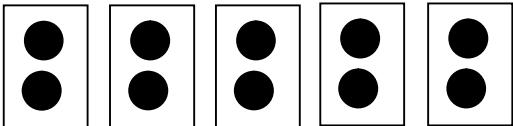
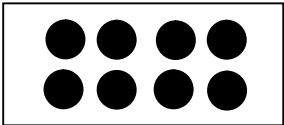
# Worksheet 7(a)

## Multiplication

Name:.....

Date:.....

Match the pictures with the number sentences. Complete the number sentences.

$4 \times 3 = \underline{\quad}$
$5 \times 2 = \underline{\quad}$
$1 \times 8 = \underline{\quad}$
$3 \times 4 = \underline{\quad}$
$7 \times 9 = \underline{\quad}$

## Unit 7(b): Multiplication Tables.

### TEACHING AIDS

You will need:

1. Multiplication Table (Basic multiplication facts)

### TEACHING STEPS

1. Have pupils study a basic multiplication facts table. Draw their attention to the number patterns.
2. Show pupils how they can build a multiplication table using a 3x3 square.

To build multiplication tables for odd numbers, write in the numbers 1 to 9 in the squares as shown below.

<p>1 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> </table>	1	2	3	4	5	6	7	8	9	<p>3 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>21</td><td>12</td><td>03</td></tr> <tr><td>24</td><td>15</td><td>06</td></tr> <tr><td>27</td><td>18</td><td>09</td></tr> </table>	21	12	03	24	15	06	27	18	09
1	2	3																	
4	5	6																	
7	8	9																	
21	12	03																	
24	15	06																	
27	18	09																	
<p>7 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>21</td><td>42</td><td>63</td></tr> <tr><td>14</td><td>35</td><td>56</td></tr> <tr><td>07</td><td>28</td><td>49</td></tr> </table>	21	42	63	14	35	56	07	28	49	<p>9 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>81</td><td>72</td><td>63</td></tr> <tr><td>54</td><td>45</td><td>36</td></tr> <tr><td>27</td><td>18</td><td>09</td></tr> </table>	81	72	63	54	45	36	27	18	09
21	42	63																	
14	35	56																	
07	28	49																	
81	72	63																	
54	45	36																	
27	18	09																	

To build multiplication tables for even numbers, fill the boxes in multiples of two as shown:

<p>2 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>02</td><td>04</td><td>06</td></tr> <tr><td>08</td><td>10</td><td>12</td></tr> <tr><td>14</td><td>16</td><td>18</td></tr> </table>	02	04	06	08	10	12	14	16	18	<p>6 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>42</td><td>24</td><td>06</td></tr> <tr><td>48</td><td>30</td><td>12</td></tr> <tr><td>54</td><td>36</td><td>18</td></tr> </table>	42	24	06	48	30	12	54	36	18
02	04	06																	
08	10	12																	
14	16	18																	
42	24	06																	
48	30	12																	
54	36	18																	
<p>4 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>12</td><td>24</td><td>36</td></tr> <tr><td>08</td><td>20</td><td>32</td></tr> <tr><td>04</td><td>16</td><td>28</td></tr> </table>	12	24	36	08	20	32	04	16	28	<p>8 times table</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>72</td><td>64</td><td>56</td></tr> <tr><td>48</td><td>40</td><td>32</td></tr> <tr><td>24</td><td>16</td><td>08</td></tr> </table>	72	64	56	48	40	32	24	16	08
12	24	36																	
08	20	32																	
04	16	28																	
72	64	56																	
48	40	32																	
24	16	08																	

3. Guide pupils to build a table of basic multiplication facts on a 9x9 square sheet of paper.

1	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	18
3	6	9	12	15	18	21	24	27
4	8	12	16	20	24	28	32	36
5	10	15	20	25	30	35	40	45
6	12	18	24	30	36	42	48	54
7	14	21	28	35	42	49	56	63
8	16	24	32	40	48	56	64	72
9	18	27	36	45	54	63	72	81

4. Pupils do Worksheet 7(b) and 7(c).

# Worksheet 7(b)

## Multiplication Tables.

Name:..... Date :.....

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### 1. Build-up Multiplication Table


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### 2. Use the multiplication table to complete the number sentences.

$4 \times 2 = \square$

$3 \times \square = 18$

$\square \times 2 = 10$

$\square = 6 \times 2$

$5 \times 4 = \square$

$4 \times \square = 28$

$\square \times 3 = 9$

$\square = 1 \times 3$

$3 \times 5 = \square$

$9 \times \square = 36$

$\square \times 6 = 42$

$\square = 7 \times 4$

$6 \times 7 = \square$

$7 \times \square = 35$

$\square \times 8 = 16$

$\square = 3 \times 8$

$8 \times 8 = \square$

$8 \times \square = 72$

$\square \times 9 = 18$

$\square = 7 \times 7$



## Test 7

Name:..... Date :.....

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Solve these problems.

$0 \times 0 = \underline{\quad}$

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

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

$1 \times 0 = \underline{\quad}$

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

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

$2 \times 0 = \underline{\quad}$

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

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

$3 \times 0 = \underline{\quad}$

$0 \times 2 = \underline{\quad}$

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

$4 \times 0 = \underline{\quad}$

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

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

$5 \times 0 = \underline{\quad}$

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

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

$6 \times 0 = \underline{\quad}$

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

$0 \times 4 = \underline{\quad}$

$7 \times 0 = \underline{\quad}$

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

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

$8 \times 0 = \underline{\quad}$

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

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

$9 \times 0 = \underline{\quad}$

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

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

$0 \times 1 = \underline{\quad}$

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

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

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

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

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

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

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

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

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

$0 \times 3 = \underline{\quad}$

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

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

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

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

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

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

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

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

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

## Test 8

Name:..... Date :.....

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Solve these problems.

$0 \times 5 = \underline{\quad}$

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

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

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

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

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

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

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

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

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

$0 \times 7 = \underline{\quad}$

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

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

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

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

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

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

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

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

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

$0 \times 9 = \underline{\quad}$

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

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

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

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

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

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

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

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

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

$0 \times 6 = \underline{\quad}$

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

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

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

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

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

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

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

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$0 \times 8 = \underline{\quad}$

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