

NAME _____

DATE _____

Multiplication & Division Facts

1 Complete the multiplication facts.

$$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

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

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

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

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

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

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

2 Complete the division facts.

$42 \div 6 = \underline{\hspace{2cm}}$

$54 \div 6 = \underline{\hspace{2cm}}$





$24 \div 3 = \underline{\hspace{2cm}}$

$63 \div 9 = \underline{\hspace{2cm}}$

$28 \div 4 = \underline{\hspace{2cm}}$

$7 \div 1 = \underline{\hspace{2cm}}$

3 Write a greater than, less than, or equal sign to complete each number sentence. Try to complete each number sentence without doing all the calculations.

example $36 + 4 < 26 + 20$	a 2×24 2×16
b $400 \div 80$ $400 \div 10$	c $77 - 20$ $67 - 20$
d $36 + 23$ $46 + 16$	e $458 - 129$ $358 - 29$
 f 3×360 40×30	 g 50×400 400×50
 h $2,500 \div 10$ $1,000 \div 5$	 i $24,000 \div 6$ $48,000 \div 12$

NAME _____

DATE _____

Multiplication Practice

1 Solve the following multiplication problems.

$$\begin{array}{r} 20 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 8 \\ \hline \end{array}$$

2 Solve each problem below using the partial products method shown.

$$\begin{array}{r} 135 \\ \times 4 \\ \hline 4 \times 100 = 400 \\ 4 \times 30 = 120 \\ 4 \times 5 = + 20 \\ \hline 540 \end{array}$$

$$\begin{array}{r} 27 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 217 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 433 \\ \times 6 \\ \hline \end{array}$$

NAME _____

DATE _____

Multiplication, Division & Secret Path Problems

1 Complete the multiplication facts.

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

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 6 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 12 \\ \hline \end{array}$$

2 Complete the division facts.

$36 \div 6 = \underline{\hspace{2cm}}$

$54 \div 9 = \underline{\hspace{2cm}}$

$15 \div 3 = \underline{\hspace{2cm}}$

$36 \div 9 = \underline{\hspace{2cm}}$

$24 \div 4 = \underline{\hspace{2cm}}$

$21 \div 7 = \underline{\hspace{2cm}}$

3 Use multiplication and division to find the secret path through each maze.

You can only move one space up, down, over, or diagonally each time. Write two equations to explain the path through the maze.

<p>ex</p> <div style="text-align: center;"> <p>start</p> <table border="1" style="margin: auto;"> <tr><td></td><td>3</td><td></td></tr> <tr><td>8</td><td>24</td><td>4</td></tr> <tr><td></td><td>6</td><td></td></tr> </table> <p>end</p> <p>$3 \times 8 = 24$ $24 \div 6 = 4$</p> </div>		3		8	24	4		6		<p>a</p> <div style="text-align: center;"> <p>start</p> <table border="1" style="margin: auto;"> <tr><td></td><td>54</td><td></td></tr> <tr><td>27</td><td>9</td><td>6</td></tr> <tr><td></td><td>3</td><td></td></tr> </table> <p>end</p> </div>		54		27	9	6		3		<p>b</p> <div style="text-align: center;"> <p>start</p> <table border="1" style="margin: auto;"> <tr><td></td><td>42</td><td></td></tr> <tr><td>6</td><td>7</td><td>4</td></tr> <tr><td></td><td>28</td><td></td></tr> </table> <p>end</p> </div>		42		6	7	4		28	
	3																												
8	24	4																											
	6																												
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27	9	6																											
	3																												
	42																												
6	7	4																											
	28																												

NAME _____

DATE _____

Multiples of 3 & 4

1a Circle the rest of the multiples of 3.
(count-by-3 numbers)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b What do you notice about the multiples of 3?

2a Circle the rest of the multiples of 4.
(count-by-4 numbers)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b What do you notice about the multiples of 4?

3 What do you notice about the numbers that are multiples of both 3 and 4?

NAME _____

DATE _____

Multiples of 6 & 7

1a Circle the rest of the multiples of 6.
(count-by-6 numbers)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b What do you notice about the multiples of 6?

2a Circle the rest of the multiples of 7.
(count-by-7 numbers)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b What do you notice about the multiples of 7?

3 What numbers are multiples of both 6 and 7?

4 What would be the first multiple of 6 and 7 that is greater than 100? Explain how you know.

NAME _____

DATE _____

Multiplication & Multiples

1 Complete the following multiplication facts.

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

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

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$$

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



CHALLENGE

2 Frances noticed that the multiples of 6 only have even digits in the ones place, but the multiples of 7 can have any digit in the ones place. Explain to Frances why this is true.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

3 Jake thought about what Frances noticed, and then he said that any number that is a multiple of both 6 and 7 would have to have an even digit in the ones place. Explain why Jake's observation is true.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100