

Eureka Math™

Grade 3 Module 1

Student File_B

Additional Student Materials

This file contains:

- G3-M1 Sprint and Fluency Resources¹
- G3-M1 Exit Tickets
- G3-M1 Mid-Module Assessment
- G3-M1 End-of-Module Assessment

¹Note that not all lessons in this module include sprint or fluency resources.

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10 9 8 7 6 5 4 3 2

G3-M1-SFB-1.3.1-05.2015

Sprint and Fluency Packet

A

Number Correct: _____

Add or Subtract Using 2

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

23.	$2 + 4 =$	
24.	$2 + 6 =$	
25.	$2 + 8 =$	
26.	$2 + 10 =$	
27.	$2 + 12 =$	
28.	$2 + 14 =$	
29.	$2 + 16 =$	
30.	$2 + 18 =$	
31.	$0 + 22 =$	
32.	$22 + 22 =$	
33.	$44 + 22 =$	
34.	$66 + 22 =$	
35.	$88 - 22 =$	
36.	$66 - 22 =$	
37.	$44 - 22 =$	
38.	$22 - 22 =$	
39.	$22 + 0 =$	
40.	$22 + 22 =$	
41.	$22 + 44 =$	
42.	$66 + 22 =$	
43.	$888 - 222 =$	
44.	$666 - 222 =$	

B

Number Correct: _____

Improvement: _____

Add or Subtract Using 2

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

23.	$4 + 2 =$	
24.	$6 + 2 =$	
25.	$8 + 2 =$	
26.	$10 + 2 =$	
27.	$12 + 2 =$	
28.	$14 + 2 =$	
29.	$16 + 2 =$	
30.	$18 + 2 =$	
31.	$0 + 22 =$	
32.	$22 + 22 =$	
33.	$22 + 44 =$	
34.	$66 + 22 =$	
35.	$88 - 22 =$	
36.	$66 - 22 =$	
37.	$44 - 22 =$	
38.	$22 - 22 =$	
39.	$22 + 0 =$	
40.	$22 + 22 =$	
41.	$22 + 44 =$	
42.	$66 + 22 =$	
43.	$666 - 222 =$	
44.	$888 - 222 =$	

A

Number Correct: _____

Add Equal Groups

1.	$2 + 2 =$	
2.	2 twos =	
3.	$5 + 5 =$	
4.	2 fives =	
5.	$2 + 2 + 2 =$	
6.	3 twos =	
7.	$2 + 2 + 2 + 2 =$	
8.	4 twos =	
9.	$5 + 5 + 5 =$	
10.	3 fives =	
11.	$5 + 5 + 5 + 5 =$	
12.	4 fives =	
13.	2 fours =	
14.	$4 + 4 =$	
15.	2 threes =	
16.	$3 + 3 =$	
17.	2 sixes =	
18.	$6 + 6 =$	
19.	5 twos =	
20.	$2 + 2 + 2 + 2 + 2 =$	
21.	5 fives =	
22.	$5 + 5 + 5 + 5 + 5 =$	

23.	$7 + 7 =$	
24.	2 sevens =	
25.	$9 + 9 =$	
26.	2 nines =	
27.	$8 + 8 =$	
28.	2 eights =	
29.	$3 + 3 + 3 =$	
30.	3 threes =	
31.	$4 + 4 + 4 =$	
32.	3 fours =	
33.	$3 + 3 + 3 + 3 =$	
34.	4 threes =	
35.	4 fives =	
36.	$5 + 5 + 5 + 5 =$	
37.	3 sixes =	
38.	$6 + 6 + 6 =$	
39.	3 eights =	
40.	$8 + 8 + 8 =$	
41.	3 sevens =	
42.	$7 + 7 + 7 =$	
43.	3 nines =	
44.	$9 + 9 + 9 =$	

B

Number Correct: _____

Improvement: _____

Add Equal Groups

1.	$5 + 5 =$	
2.	2 fives =	
3.	$2 + 2 =$	
4.	2 twos =	
5.	$5 + 5 + 5 =$	
6.	3 fives =	
7.	$5 + 5 + 5 + 5 =$	
8.	4 fives =	
9.	$2 + 2 + 2 =$	
10.	3 twos =	
11.	$2 + 2 + 2 + 2 =$	
12.	4 twos =	
13.	2 threes =	
14.	$3 + 3 =$	
15.	2 sixes =	
16.	$6 + 6 =$	
17.	2 fours =	
18.	$4 + 4 =$	
19.	5 fives =	
20.	$5 + 5 + 5 + 5 + 5 =$	
21.	5 twos =	
22.	$2 + 2 + 2 + 2 + 2 =$	

23.	$8 + 8 =$	
24.	2 eights =	
25.	$7 + 7 =$	
26.	2 sevens =	
27.	$9 + 9 =$	
28.	2 nines =	
29.	$3 + 3 + 3 + 3 =$	
30.	4 threes =	
31.	$4 + 4 + 4 =$	
32.	3 fours =	
33.	$3 + 3 + 3 =$	
34.	3 threes =	
35.	4 fives =	
36.	$5 + 5 + 5 + 5 =$	
37.	3 sevens =	
38.	$7 + 7 + 7 =$	
39.	3 nines =	
40.	$9 + 9 + 9 =$	
41.	3 sixes =	
42.	$6 + 6 + 6 =$	
43.	3 eights =	
44.	$8 + 8 + 8 =$	

A

Number Correct: _____

Repeated Addition as Multiplication

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

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

B

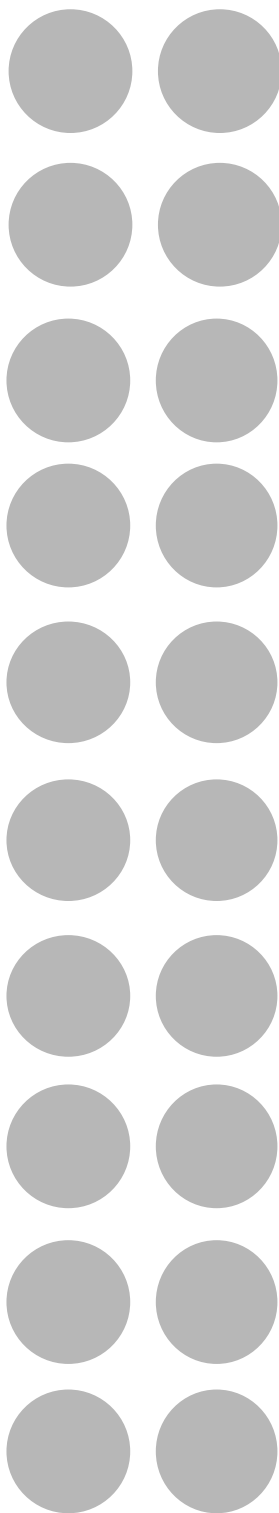
Number Correct: _____

Improvement: _____

Repeated Addition as Multiplication

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

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



twos array

Multiply.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

multiply by 2 (1–5)

Multiply.

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

$2 \times 5 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$ $2 \times 10 = \underline{\quad}$ $2 \times 5 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$

$2 \times 5 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 5 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$

$2 \times 5 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 5 = \underline{\quad}$ $2 \times 10 = \underline{\quad}$

$2 \times 6 = \underline{\quad}$ $2 \times 5 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$

$2 \times 6 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$

$2 \times 6 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$

$2 \times 8 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$

$2 \times 8 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$

$2 \times 8 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$

$2 \times 7 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$ $2 \times 7 = \underline{\quad}$ $2 \times 6 = \underline{\quad}$ $2 \times 8 = \underline{\quad}$

multiply by 2 (6–10)

Multiply.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

multiply by 3 (1–5)

Multiply.

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

$3 \times 5 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$ $3 \times 10 = \underline{\quad}$ $3 \times 5 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 5 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 5 = \underline{\quad}$ $3 \times 10 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$ $3 \times 5 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$

$3 \times 7 = \underline{\quad}$ $3 \times 9 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$ $3 \times 7 = \underline{\quad}$ $3 \times 6 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$

multiply by 3 (6–10)

A

Number Correct: _____

Multiply or Divide by 2

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

23.	$__ \times 2 = 20$	
24.	$__ \times 2 = 4$	
25.	$__ \times 2 = 6$	
26.	$20 \div 2 =$	
27.	$10 \div 2 =$	
28.	$2 \div 1 =$	
29.	$4 \div 2 =$	
30.	$6 \div 2 =$	
31.	$__ \times 2 = 12$	
32.	$__ \times 2 = 14$	
33.	$__ \times 2 = 18$	
34.	$__ \times 2 = 16$	
35.	$14 \div 2 =$	
36.	$18 \div 2 =$	
37.	$12 \div 2 =$	
38.	$16 \div 2 =$	
39.	$11 \times 2 =$	
40.	$22 \div 2 =$	
41.	$12 \times 2 =$	
42.	$24 \div 2 =$	
43.	$14 \times 2 =$	
44.	$28 \div 2 =$	

B

Multiply or Divide by 2

Number Correct: _____

Improvement: _____

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

23.	$__ \times 2 = 4$	
24.	$__ \times 2 = 20$	
25.	$__ \times 2 = 6$	
26.	$4 \div 2 =$	
27.	$2 \div 1 =$	
28.	$20 \div 2 =$	
29.	$10 \div 2 =$	
30.	$6 \div 2 =$	
31.	$__ \times 2 = 12$	
32.	$__ \times 2 = 16$	
33.	$__ \times 2 = 18$	
34.	$__ \times 2 = 14$	
35.	$16 \div 2 =$	
36.	$18 \div 2 =$	
37.	$12 \div 2 =$	
38.	$14 \div 2 =$	
39.	$11 \times 2 =$	
40.	$22 \div 2 =$	
41.	$12 \times 2 =$	
42.	$24 \div 2 =$	
43.	$13 \times 2 =$	
44.	$26 \div 2 =$	

A

Number Correct: _____

Multiply or Divide by 3

1.	$2 \times 3 =$	
2.	$3 \times 3 =$	
3.	$4 \times 3 =$	
4.	$5 \times 3 =$	
5.	$1 \times 3 =$	
6.	$6 \div 3 =$	
7.	$9 \div 3 =$	
8.	$15 \div 3 =$	
9.	$3 \div 1 =$	
10.	$12 \div 3 =$	
11.	$6 \times 3 =$	
12.	$7 \times 3 =$	
13.	$8 \times 3 =$	
14.	$9 \times 3 =$	
15.	$10 \times 3 =$	
16.	$24 \div 3 =$	
17.	$21 \div 3 =$	
18.	$27 \div 3 =$	
19.	$18 \div 3 =$	
20.	$30 \div 3 =$	
21.	$__ \times 3 = 15$	
22.	$__ \times 3 = 12$	

23.	$__ \times 3 = 30$	
24.	$__ \times 3 = 6$	
25.	$__ \times 3 = 9$	
26.	$30 \div 3 =$	
27.	$15 \div 3 =$	
28.	$3 \div 1 =$	
29.	$6 \div 3 =$	
30.	$9 \div 3 =$	
31.	$__ \times 3 = 18$	
32.	$__ \times 3 = 21$	
33.	$__ \times 3 = 27$	
34.	$__ \times 3 = 24$	
35.	$21 \div 3 =$	
36.	$27 \div 3 =$	
37.	$18 \div 3 =$	
38.	$24 \div 3 =$	
39.	$11 \times 3 =$	
40.	$33 \div 3 =$	
41.	$12 \times 3 =$	
42.	$36 \div 3 =$	
43.	$13 \times 3 =$	
44.	$39 \div 3 =$	

B

Multiply or Divide by 3

Number Correct: _____

Improvement: _____

1.	$1 \times 3 =$	
2.	$2 \times 3 =$	
3.	$3 \times 3 =$	
4.	$4 \times 3 =$	
5.	$5 \times 3 =$	
6.	$9 \div 3 =$	
7.	$6 \div 3 =$	
8.	$12 \div 3 =$	
9.	$3 \div 1 =$	
10.	$15 \div 3 =$	
11.	$10 \times 3 =$	
12.	$6 \times 3 =$	
13.	$7 \times 3 =$	
14.	$8 \times 3 =$	
15.	$9 \times 3 =$	
16.	$21 \div 3 =$	
17.	$18 \div 3 =$	
18.	$24 \div 3 =$	
19.	$30 \div 3 =$	
20.	$27 \div 3 =$	
21.	$__ \times 3 = 12$	
22.	$__ \times 3 = 15$	

23.	$__ \times 3 = 6$	
24.	$__ \times 3 = 30$	
25.	$__ \times 3 = 9$	
26.	$6 \div 3 =$	
27.	$3 \div 1 =$	
28.	$30 \div 3 =$	
29.	$15 \div 3 =$	
30.	$9 \div 3 =$	
31.	$__ \times 3 = 18$	
32.	$__ \times 3 = 24$	
33.	$__ \times 3 = 27$	
34.	$__ \times 3 = 21$	
35.	$24 \div 3 =$	
36.	$27 \div 3 =$	
37.	$18 \div 3 =$	
38.	$21 \div 3 =$	
39.	$11 \times 3 =$	
40.	$33 \div 3 =$	
41.	$12 \times 3 =$	
42.	$36 \div 3 =$	
43.	$13 \times 3 =$	
44.	$39 \div 3 =$	

Multiply.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

multiply by 4 (1–5)

Multiply.

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

$4 \times 5 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$

$4 \times 9 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$

$4 \times 6 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$

$4 \times 6 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$

$4 \times 6 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$

$4 \times 9 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$

$4 \times 8 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$

$4 \times 8 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$

$4 \times 8 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$

$4 \times 7 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$

$4 \times 10 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$

$4 \times 10 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 8 = \underline{\quad\quad}$

$4 \times 10 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 6 = \underline{\quad\quad}$

$4 \times 8 = \underline{\quad\quad}$ $4 \times 10 = \underline{\quad\quad}$ $4 \times 7 = \underline{\quad\quad}$ $4 \times 9 = \underline{\quad\quad}$

multiply by 4 (6–10)

A

Number Correct: _____

Multiply or Divide by 4

1.	$2 \times 4 =$	
2.	$3 \times 4 =$	
3.	$4 \times 4 =$	
4.	$5 \times 4 =$	
5.	$1 \times 4 =$	
6.	$8 \div 4 =$	
7.	$12 \div 4 =$	
8.	$20 \div 4 =$	
9.	$4 \div 1 =$	
10.	$16 \div 4 =$	
11.	$6 \times 4 =$	
12.	$7 \times 4 =$	
13.	$8 \times 4 =$	
14.	$9 \times 4 =$	
15.	$10 \times 4 =$	
16.	$32 \div 4 =$	
17.	$28 \div 4 =$	
18.	$36 \div 4 =$	
19.	$24 \div 4 =$	
20.	$40 \div 4 =$	
21.	$__ \times 4 = 20$	
22.	$__ \times 4 = 24$	

23.	$__ \times 4 = 40$	
24.	$__ \times 4 = 8$	
25.	$__ \times 4 = 12$	
26.	$40 \div 4 =$	
27.	$20 \div 4 =$	
28.	$4 \div 1 =$	
29.	$8 \div 4 =$	
30.	$12 \div 4 =$	
31.	$__ \times 4 = 16$	
32.	$__ \times 4 = 28$	
33.	$__ \times 4 = 36$	
34.	$__ \times 4 = 32$	
35.	$28 \div 4 =$	
36.	$36 \div 4 =$	
37.	$24 \div 4 =$	
38.	$32 \div 4 =$	
39.	$11 \times 4 =$	
40.	$44 \div 4 =$	
41.	$12 \div 4 =$	
42.	$48 \div 4 =$	
43.	$14 \times 4 =$	
44.	$56 \div 4 =$	

B

Multiply or Divide by 4

Number Correct: _____

Improvement: _____

1.	$1 \times 4 =$	
2.	$2 \times 4 =$	
3.	$3 \times 4 =$	
4.	$4 \times 4 =$	
5.	$5 \times 4 =$	
6.	$12 \div 4 =$	
7.	$8 \div 4 =$	
8.	$16 \div 4 =$	
9.	$4 \div 1 =$	
10.	$20 \div 4 =$	
11.	$10 \times 4 =$	
12.	$6 \times 4 =$	
13.	$7 \times 4 =$	
14.	$8 \times 4 =$	
15.	$9 \times 4 =$	
16.	$28 \div 4 =$	
17.	$24 \div 4 =$	
18.	$32 \div 4 =$	
19.	$40 \div 4 =$	
20.	$36 \div 4 =$	
21.	$__ \times 4 = 16$	
22.	$__ \times 4 = 20$	

23.	$__ \times 4 = 8$	
24.	$__ \times 4 = 40$	
25.	$__ \times 4 = 12$	
26.	$8 \div 4 =$	
27.	$4 \div 1 =$	
28.	$40 \div 4 =$	
29.	$20 \div 4 =$	
30.	$12 \div 4 =$	
31.	$__ \times 4 = 12$	
32.	$__ \times 4 = 24$	
33.	$__ \times 4 = 36$	
34.	$__ \times 4 = 28$	
35.	$32 \div 4 =$	
36.	$36 \div 4 =$	
37.	$24 \div 4 =$	
38.	$28 \div 4 =$	
39.	$11 \times 4 =$	
40.	$44 \div 4 =$	
41.	$12 \times 4 =$	
42.	$48 \div 4 =$	
43.	$13 \times 4 =$	
44.	$52 \div 4 =$	

A

Number Correct: _____

Add or Subtract Using 5

1.	$0 + 5 =$	
2.	$5 + 5 =$	
3.	$10 + 5 =$	
4.	$15 + 5 =$	
5.	$20 + 5 =$	
6.	$25 + 5 =$	
7.	$30 + 5 =$	
8.	$35 + 5 =$	
9.	$40 + 5 =$	
10.	$45 + 5 =$	
11.	$50 - 5 =$	
12.	$45 - 5 =$	
13.	$40 - 5 =$	
14.	$35 - 5 =$	
15.	$30 - 5 =$	
16.	$25 - 5 =$	
17.	$20 - 5 =$	
18.	$15 - 5 =$	
19.	$10 - 5 =$	
20.	$5 - 5 =$	
21.	$5 + 0 =$	
22.	$5 + 5 =$	

23.	$10 + 5 =$	
24.	$15 + 5 =$	
25.	$20 + 5 =$	
26.	$25 + 5 =$	
27.	$30 + 5 =$	
28.	$35 + 5 =$	
29.	$40 + 5 =$	
30.	$45 + 5 =$	
31.	$0 + 50 =$	
32.	$50 + 50 =$	
33.	$50 + 5 =$	
34.	$55 + 5 =$	
35.	$60 - 5 =$	
36.	$55 - 5 =$	
37.	$60 + 5 =$	
38.	$65 + 5 =$	
39.	$70 - 5 =$	
40.	$65 - 5 =$	
41.	$100 + 50 =$	
42.	$150 + 50 =$	
43.	$200 - 50 =$	
44.	$150 - 50 =$	

B

Add or Subtract Using 5

Number Correct: _____

Improvement: _____

1.	$5 + 0 =$	
2.	$5 + 5 =$	
3.	$5 + 10 =$	
4.	$5 + 15 =$	
5.	$5 + 20 =$	
6.	$5 + 25 =$	
7.	$5 + 30 =$	
8.	$5 + 35 =$	
9.	$5 + 40 =$	
10.	$5 + 45 =$	
11.	$50 - 5 =$	
12.	$45 - 5 =$	
13.	$40 - 5 =$	
14.	$35 - 5 =$	
15.	$30 - 5 =$	
16.	$25 - 5 =$	
17.	$20 - 5 =$	
18.	$15 - 5 =$	
19.	$10 - 5 =$	
20.	$5 - 5 =$	
21.	$0 + 5 =$	
22.	$5 + 5 =$	

23.	$10 + 5 =$	
24.	$15 + 5 =$	
25.	$20 + 5 =$	
26.	$25 + 5 =$	
27.	$30 + 5 =$	
28.	$35 + 5 =$	
29.	$40 + 5 =$	
30.	$45 + 5 =$	
31.	$50 + 0 =$	
32.	$50 + 50 =$	
33.	$5 + 50 =$	
34.	$5 + 55 =$	
35.	$60 - 5 =$	
36.	$55 - 5 =$	
37.	$5 + 60 =$	
38.	$5 + 65 =$	
39.	$70 - 5 =$	
40.	$65 - 5 =$	
41.	$50 + 100 =$	
42.	$50 + 150 =$	
43.	$200 - 50 =$	
44.	$150 - 50 =$	

A

Number Correct: _____

Skip-Count by 5

1.	0, 5, __	
2.	5, 10, __	
3.	10, 15, __	
4.	15, 20, __	
5.	20, 25, __	
6.	25, 30, __	
7.	30, 35, __	
8.	35, 40, __	
9.	40, 45, __	
10.	50, 45, __	
11.	45, 40, __	
12.	40, 35, __	
13.	35, 30, __	
14.	30, 25, __	
15.	25, 20, __	
16.	20, 15, __	
17.	15, 10, __	
18.	0, __, 10	
19.	25, __, 35	
20.	5, __, 15	
21.	30, __, 40	
22.	10, __, 20	

23.	35, __, 45	
24.	15, __, 25	
25.	40, __, 50	
26.	25, __, 15	
27.	50, __, 40	
28.	20, __, 10	
29.	45, __, 35	
30.	15, __, 5	
31.	40, __, 30	
32.	10, __, 0	
33.	35, __, 25	
34.	__, 10, 5	
35.	__, 35, 30	
36.	__, 15, 10	
37.	__, 40, 35	
38.	__, 20, 15	
39.	__, 45, 40	
40.	50, 55, __	
41.	45, 50, __	
42.	65, __, 55	
43.	55, 60, __	
44.	60, 65, __	

B

Number Correct: _____

Improvement: _____

Skip-Count by 5

1.	5, 10, __	
2.	10, 15, __	
3.	15, 20, __	
4.	20, 25, __	
5.	25, 30, __	
6.	30, 35, __	
7.	35, 40, __	
8.	40, 45, __	
9.	50, 45, __	
10.	45, 40, __	
11.	40, 35, __	
12.	35, 30, __	
13.	30, 25, __	
14.	25, 20, __	
15.	20, 15, __	
16.	15, 10, __	
17.	0, __, 10	
18.	25, __, 35	
19.	5, __, 15	
20.	30, __, 40	
21.	10, __, 20	
22.	35, __, 45	

23.	15, __, 25	
24.	35, __, 45	
25.	20, __, 30	
26.	25, __, 15	
27.	50, __, 60	
28.	20, __, 10	
29.	45, __, 35	
30.	15, __, 5	
31.	35, __, 25	
32.	10, __, 0	
33.	35, __, 25	
34.	__, 15, 10	
35.	__, 40, 35	
36.	__, 20, 15	
37.	__, 45, 40	
38.	__, 10, 5	
39.	__, 35, 30	
40.	45, 50, __	
41.	50, 55, __	
42.	55, 60, __	
43.	65, __, 55	
44.	__, 60, 55	

Multiply.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

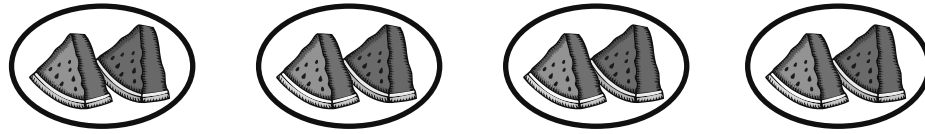
multiply by 5 (1–5)

Exit Ticket Packet

Name _____

Date _____

1. The picture below shows 4 groups of 2 slices of watermelon. Fill in the blanks to make true repeated addition and multiplication sentences that represent the picture.



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

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

2. Draw a picture to show $3 + 3 + 3 = 9$. Then, write a multiplication sentence to represent the picture.

Name _____

Date _____

1.



a. There are 4 rows of stars. How many stars are in each row? _____

b. Write a multiplication equation to describe the array. _____

2. Judy collects seashells. She arranges them in 3 rows of 6. Draw Judy's array to show how many seashells she has altogether. Then, write a multiplication equation to describe the array.

Name _____

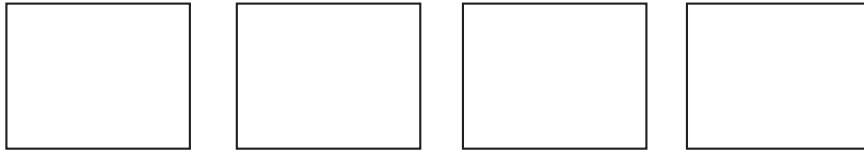
Date _____

Draw an array that shows 5 rows of 3 squares. Then, show a number bond where each part represents the amount in one row.

Name _____

Date _____

1. There are 16 glue sticks for the class. The teacher divides them into 4 equal groups. Draw the number of glue sticks in each group.



There are _____ glue sticks in each group.

$$16 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2. Draw a picture to show $15 \div 3$. Then, fill in the blank to make a true division sentence.

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

Name _____

Date _____

1. Divide 12 triangles into groups of 6.



$$12 \div 6 = \underline{\hspace{2cm}}$$

2. Spencer buys 20 strawberries to make smoothies. Each smoothie needs 5 strawberries. Use a count-by to find the number of smoothies Spencer can make. Make a drawing to match your counting.

Name _____ Date _____

Cesar arranges 12 notecards into rows of 6 for his presentation. Draw an array to represent the problem.

$$12 \div 6 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 6 = 12$$

What do the unknown factor and quotient represent? _____

Name _____

Date _____

$$2 \times 5 = 5 \times 2$$

Do you agree or disagree with the statement in the box? Draw arrays and use skip-counting to explain your thinking.

Name _____

Date _____

Mary Beth organizes stickers on a page in her sticker book. She arranges them in 3 rows and 4 columns.

- a. Draw an array to show Mary Beth's stickers.

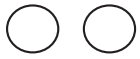
- b. Use your array to write a multiplication sentence to find Mary Beth's total number of stickers.

- c. Label your array to show how you skip-count to solve your multiplication sentence.

- d. Use what you know about the commutative property to write a different multiplication sentence for your array.

Name _____

Date _____



1. Mrs. Stern roasts cloves of garlic. She places 10 rows of two cloves on a baking sheet.

Write an equation to describe the number of cloves Mrs. Stern bakes.

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



2. When the garlic is roasted, Mrs. Stern uses some for a recipe. There are 2 rows of two garlic cloves left on the pan.



- a. Complete the equation below to show how many garlic cloves Mrs. Stern uses.

$$\underline{\hspace{2cm}} \text{ twos} - \underline{\hspace{2cm}} \text{ twos} = \underline{\hspace{2cm}} \text{ twos}$$



- b. $20 - \underline{\hspace{2cm}} = 16$



- c. Write an equation to describe the number of garlic cloves Mrs. Stern uses.

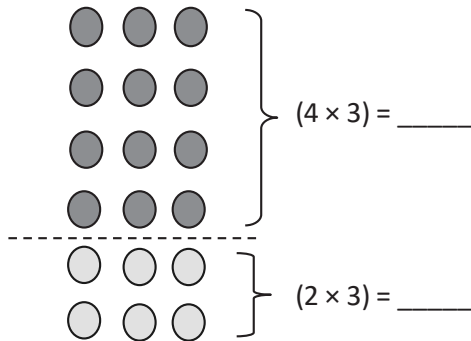
$$\underline{\hspace{2cm}} \times 2 = \underline{\hspace{2cm}}$$



Name _____

Date _____

1. $6 \times 3 =$ _____

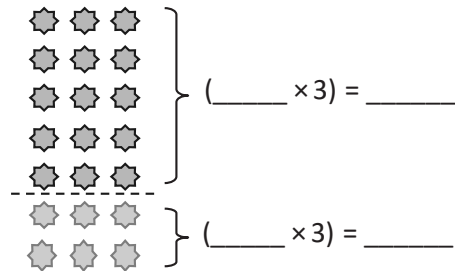


$(4 \times 3) + (2 \times 3) =$ _____ $+$ _____

$6 \times 3 =$ _____ $+$ _____

_____ $\times 3 =$ _____

2. $7 \times 3 =$ _____



$(5 \times 3) + (2 \times 3) =$ _____ $+$ _____

$7 \times 3 =$ _____ $+$ _____

_____ $\times 3 =$ _____

Name _____

Date _____

Ms. McCarty has 18 stickers. She puts 2 stickers on each homework paper and has no more left. How many homework papers does she have? Model the problem with both an array and a labeled tape diagram.

Name _____

Date _____

There are 14 mints in 1 box. Cecilia eats 2 mints each day. How many days does it take Cecilia to eat 1 box of mints? Draw and label a tape diagram to solve.

It takes Cecilia _____ days to eat 1 box of mints.

Name _____

Date _____

1. Andrea has 21 apple slices. She uses 3 apple slices to decorate 1 pie. How many pies does Andrea make? Draw and label a tape diagram to solve.

2. There are 24 soccer players on the field. They form 3 equal teams. How many players are on each team?

Name _____

Date _____

Arthur has 4 boxes of chocolates. Each box has 6 chocolates inside. How many chocolates does Arthur have altogether? Draw and label a tape diagram to solve.

Name _____

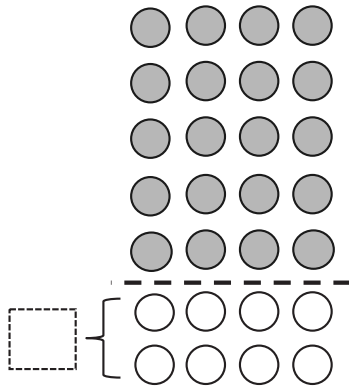
Date _____

Draw and label 2 tape diagrams to show that $4 \times 3 = 3 \times 4$. Use your diagrams to explain how you know the statement is true.

Name _____

Date _____

Destiny says, "I can use 5×4 to find the answer to 7×4 ." Use the array below to explain Destiny's strategy using words and numbers.



$$(7 \times 4) = (5 \times 4) + (2 \times 4)$$

$$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

Date _____

- EUREKA
MATH™**

Name _____

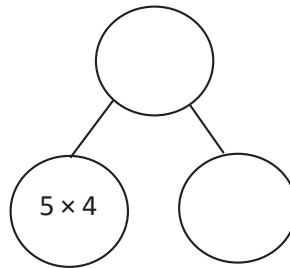
Date _____

Dylan used the break apart and distribute strategy to solve a multiplication problem. Look at his work below, write the multiplication problem Dylan solved, and complete the number bond.

Dylan's work:

$$(5 \times 4) + (1 \times 4) =$$

$$20 + 4 = 24$$



$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Name _____

Date _____

Complete the equations below to solve $22 \div 2 = \underline{\hspace{2cm}}$.

$$(20 \div 2) = \underline{\hspace{2cm}}$$

$$(\underline{\hspace{2cm}} \div 2) = \underline{\hspace{2cm}}$$

$$(22 \div 2) = (20 \div 2) + (\underline{\hspace{2cm}} \div 2)$$

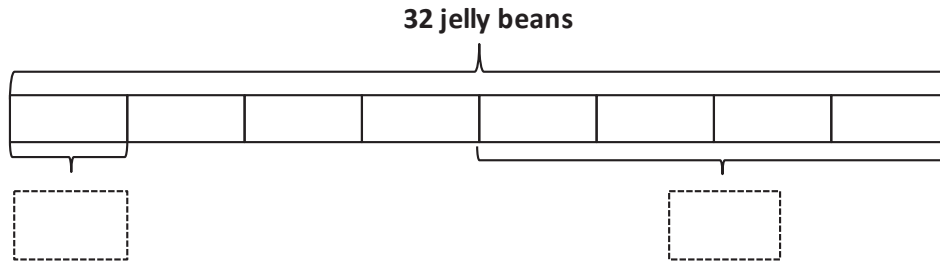
$$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

Name _____

Date _____

1. Thirty-two jelly beans are shared by 8 students.



- a. How many jelly beans will each student get?

- b. How many jelly beans will 4 students get?

-
2. The teacher has 30 apple slices and 20 pear slices. Five children equally share all of the fruit slices. How many fruit slices does each child get?

Name _____

Date _____

Ms. Egeregor buys 27 books for her classroom library. She buys an equal number of fiction, nonfiction, and poetry books. She shelves all of the poetry books first. Draw and label a tape diagram to show how many books Ms. Egeregor has left to shelve.

Assessment Packet

Name _____

Date _____

1. Mrs. Tran plants 2 rows of 5 carrots in her garden.

a. Draw an array that represents Mrs. Tran's carrots. Use an X to show each carrot.

b. Mrs. Tran adds 3 more rows of 5 carrots to her garden.

- Use circles to show her new carrots on the array in Part (a).
- Fill in the blanks below to show how she added the five rows.

_____ fives + _____ fives = _____ fives

- Write a sentence to explain your thinking.

c. Find the total number of carrots Mrs. Tran planted.

d. Write a multiplication sentence to describe the array representing the total number of carrots Mrs. Tran planted.

2. Mrs. Tran picks 15 tomatoes from her garden. She puts 5 tomatoes in each bag.

a. Draw Mrs. Tran's bags of tomatoes.

b. Write a multiplication sentence that describes your drawing in Part (a).

3. Mrs. Tran plants 12 sunflowers in her garden. She plants them in 3 rows.

a. Fill in the blanks below to make a true division sentence. What does the answer represent?

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

b. Mrs. Tran adds 2 more identical rows of sunflowers to her 3 original rows. Draw an array to show how many flowers she has now.

c. Mrs. Tran figured out how many flowers she planted. Her work is shown in the box below. Would Mrs. Tran get the same result if she multiplied 5×4 ? Explain why or why not.

$\begin{aligned}(3 \times 4) + (2 \times 4) &= 12 + 8 \\ &= 20\end{aligned}$
--

Name _____

Date _____

1. Mr. Lewis arranges all the desks in his classroom into 6 equal groups of 4. How many desks are in his classroom? Show a picture and multiplication sentence in your work.

a. What does the product in your multiplication sentence represent?

b. Fill in the blanks below to complete a related division sentence.

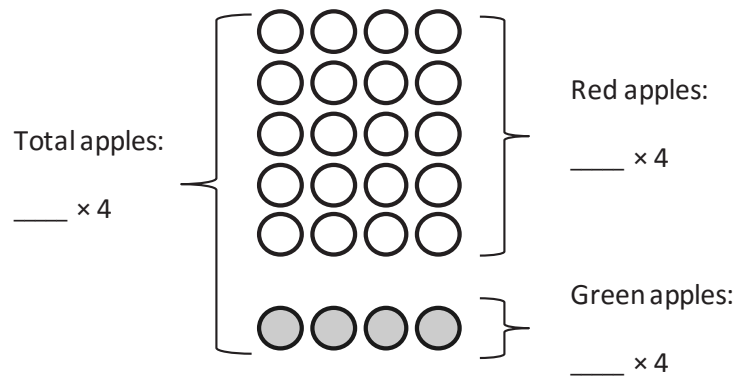
$$\underline{\hspace{2cm}} \div 4 = \underline{\hspace{2cm}}$$

c. What does the quotient in Part (b) represent?

2. a. Draw an array that shows 9 rows of 2. Write a multiplication sentence to represent the array, and circle the factor that represents the number of rows.
- b. Draw another array that shows 2 rows of 9. Write a different multiplication sentence, and circle the factor that represents the size of the row.
- c. Explain the relationship between the two arrays using number sentences and words.

3. Ms. Park buys a tray of apples for a class party. There are 5 rows of 4 red apples. There is 1 row of 4 green apples.

- a. The picture below shows Ms. Park's apples. Fill in the blanks to complete the expressions.



- b. Fill in the unknowns in the equation below to match the picture of the apples in Part (a). Use the break apart and distribute strategy to find the total number of apples Ms. Park bought.

$$\underline{\hspace{1cm}} \times 4 = \underline{\hspace{1cm}} \times 4 + \underline{\hspace{1cm}} \times 4$$

Ms. Park bought $\underline{\hspace{1cm}}$ apples.

- c. Lilly brings 8 green apples for the class party. Show Lilly's green apples on the picture in Part (a). Then, fill in the unknowns in the equation below to match the new picture. Solve to find the total number of apples.

$$\underline{\hspace{1cm}} \times 4 = \underline{\hspace{1cm}} \times 4 + \underline{\hspace{1cm}} \times 4$$

There are $\underline{\hspace{1cm}}$ apples in all.

4. Mr. Myer's class plays a game. The class earns 5 points each time they answer a question correctly. The class earns 50 points playing the game on Monday.
- a. How many questions did the class answer correctly? Show a picture and division sentence in your work.
- b. Mr. Myer uses the equation $5 \times \underline{\hspace{1cm}} = 50$ to find how many questions the class answered correctly. Is his method correct? Why or why not?
- c. The class answered 7 questions correctly on Tuesday. What is the total number of points the class earned on both days?

5. Complete as many problems as you can in 100 seconds. Your teacher will time you and tell you when to stop.

$4 \times 1 = \underline{\quad}$ $3 \div 1 = \underline{\quad}$ $10 \times \underline{\quad} = 20$ $2 \times 3 = \underline{\quad}$ $10 \div 5 = \underline{\quad}$

$4 \div 2 = \underline{\quad}$ $2 \times \underline{\quad} = 4$ $15 \div 5 = \underline{\quad}$ $10 \times 3 = \underline{\quad}$ $4 \times \underline{\quad} = 12$

$3 \times 3 = \underline{\quad}$ $5 \times \underline{\quad} = 15$ $16 \div 4 = \underline{\quad}$ $2 \times \underline{\quad} = 8$ $10 \times 4 = \underline{\quad}$

$2 \times 4 = \underline{\quad}$ $12 \div 4 = \underline{\quad}$ $4 \times \underline{\quad} = 20$ $5 \times 5 = \underline{\quad}$ $50 \div 10 = \underline{\quad}$

$15 \div 3 = \underline{\quad}$ $2 \times \underline{\quad} = 10$ $24 \div 4 = \underline{\quad}$ $10 \times 6 = \underline{\quad}$ $5 \times \underline{\quad} = 30$

$2 \times 6 = \underline{\quad}$ $4 \times \underline{\quad} = 24$ $35 \div 5 = \underline{\quad}$ $3 \times \underline{\quad} = 21$ $10 \times 7 = \underline{\quad}$

$4 \times 7 = \underline{\quad}$ $14 \div 2 = \underline{\quad}$ $3 \times \underline{\quad} = 24$ $5 \times 8 = \underline{\quad}$ $80 \div 10 = \underline{\quad}$

$32 \div 4 = \underline{\quad}$ $10 \times \underline{\quad} = 80$ $27 \div 3 = \underline{\quad}$ $2 \times 9 = \underline{\quad}$ $5 \times \underline{\quad} = 45$