Varied Fluency
Step 2: Multiply 3 Numbers

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12
Mathematics Year 4: (4C6b) Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Differentiation:

Developing Questions to support multiplying three 1-digit numbers. Pictorial support given for all questions and the efficient grouping of the calculations is already complete.
Expected Questions to support multiplying three 1-digit numbers. Some pictorial support or scaffolding to give direction to the most efficient grouping of the questions.
Greater Depth Questions to support multiplying three 1-digit numbers. No pictorial support or scaffolding to suggest the most efficient method. Some of the questions rely on the children's knowledge of the inverse.

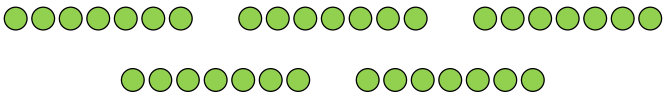
More Year 4 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

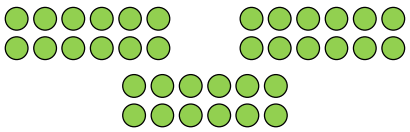
Multiply 3 Numbers

1a. Complete the calculations below.

7 x 1 x 5 = ☐



6 x 2 x 3 = ☐



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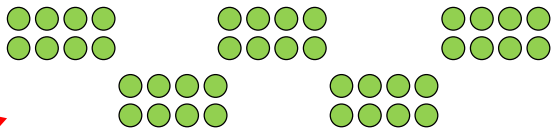
VF

Multiply 3 Numbers

1b. Complete the calculations below.

9 x 2 x 2 = ☐

4 x 2 x 5 = ☐



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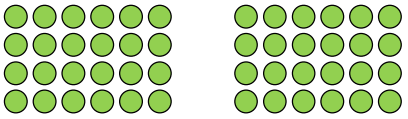
2a. True or false?

6 x 4 x 2 = 48



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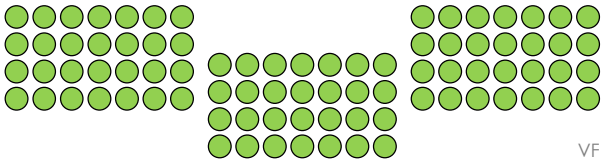
2b. True or false?

4 x 7 x 3 = 80



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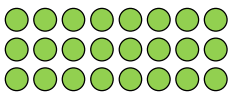
3a. Complete the calculation. Write three different multiplication calculations using all of the numbers below.

8 x 3 x 1 = ☐



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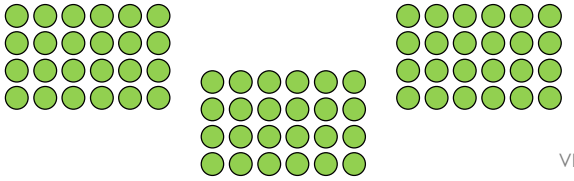
3b. Complete the calculation. Write three different multiplication calculations using all of the numbers below.

6 x 4 x 3 = ☐



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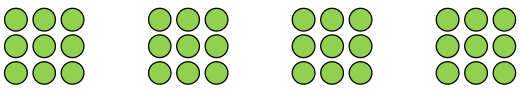
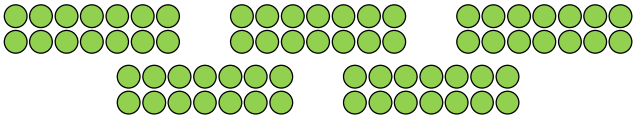
VF

4a. Tick the calculation that is correct.

A. 3 x 3 x 4 = 34 ☐



B. 2 x 7 x 5 = 70 ☐



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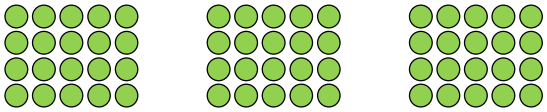
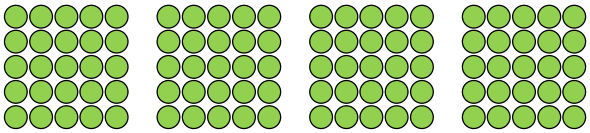
4b. Tick the calculation that is correct.

A. 5 x 4 x 3 = 60 ☐



B. 5 x 5 x 4 = 110 ☐



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VF

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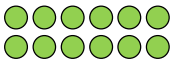
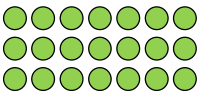
Multiply 3 Numbers

5a. Complete the calculations below.

6 x 2 x 4 = ☐



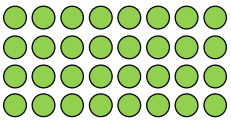
7 x 3 x 3 = ☐



E VF

6a. True or false?

8 x 4 x 3 = 92



E VF

7a. Complete the calculation. Write three different multiplication calculations using all of the numbers below.

6 x 9 x 2 = ☐

E VF

8a. Tick the calculation that is correct.

A. 2 x 3 x 4 = 32 ☐

B. 2 x 3 x 6 = 36 ☐

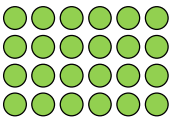
C. 3 x 6 x 7 = 125 ☐

E VF

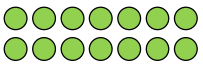
Multiply 3 Numbers

5b. Complete the calculations below.

5 x 4 x 4 = ☐



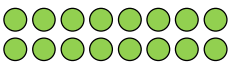
7 x 2 x 6 = ☐



E VF

6b. True or false?

8 x 2 x 5 = 42



E VF

7b. Complete the calculation. Write three different multiplication calculations using all of the numbers below.

7 x 2 x 8 = ☐

E VF

8b. Tick the calculation that is correct.

A. 7 x 3 x 6 = 120 ☐

B. 6 x 0 x 6 = 36 ☐

C. 8 x 4 x 3 = 96 ☐

E VF

Multiply 3 Numbers

9a. Match the calculations to their missing numbers.

4 x 6 x 8 = ☐

9 x ☐ x 7 = 126

4 x 8 x ☐ = 128

192 | 4 | 2 | 3 | 190

GD VF

10a. True or false?

The missing number is 3.

5 x ☐ x 7 = 105

GD VF

11a. Complete the calculation. Write three different multiplication calculations using the same numbers.

7 x ☐ x ☐ = 196

GD VF

12a. Complete the calculations below.

A. 2 x ☐ x 6 = 84

B. ☐ x 3 x 6 = 144

C. 9 x 3 x ☐ = 135

GD VF

Multiply 3 Numbers

9b. Match the calculations to their missing numbers.

3 x ☐ x 4 = 108

☐ x 6 x 9 = 270

6 x 6 x 6 = ☐

5 | 7 | 9 | 214 | 216

GD VF

10b. True or false?

The missing number is 9.

☐ x 5 x 4 = 160

GD VF

11b. Complete the calculation. Write three different multiplication calculations using the same numbers.

☐ x ☐ x 8 = 224

GD VF

12b. Complete the calculations below.

A. ☐ x 7 x 3 = 126

B. 9 x 2 x ☐ = 144

C. 8 x ☐ x 6 = 192

GD VF

Varied Fluency
Multiply 3 Numbers

Developing

1a. 35, 36

2a. True

3a. The missing number is 24. Various answers, for example: 3 x 8 x 1 = 24, 3 x 1 x 8 = 24, 8 x 3 x 1 = 24

4a. B

Expected

5a. 48, 63,

6a. False; 8 x 4 x 3 = 96

7a. The missing number is 108. Various answers, for example: 6 x 9 x 2 = 108, 6 x 2 x 9 = 108, 9 x 6 x 2 = 108

8a. B

Greater Depth

9a. 192, 2, 4

10a. True; 5 x 3 x 7 = 105

11a. 7 x 7 x 4 = 196, 4 x 7 x 7 = 196, 7 x 4 x 7 = 196

12a. A: 7, B: 8, C: 5

Varied Fluency
Multiply 3 Numbers

Developing

1b. 36, 40

2b. False, 4 x 7 x 3 = 84

3b. The missing number is 72. Various answers, for example: 6 x 4 x 3 = 72, 6 x 3 x 4 = 72, 4 x 6 x 3 = 72

4b. A

Expected

5b. 80, 84

6b. False, 8 x 2 x 5 = 80

7b. The missing number is 112. Various answers, for example: 7 x 2 x 7 = 98 , 7 x 7 x 2 = 98, 2 x 7 x 7 = 98

8b. C

Greater Depth

9b. 9, 5, 216

10b. False, 8 x 5 x 4 = 160

11b. 4 x 7 x 8 = 224, 7 x 4 x 8 = 224, 8 x 7 x 4 = 224.

12b. A: 6, B: 8, C: 4