

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 \times 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. Including facts from the 2, 3, 4, 5 times tables, one of the numbers always being 2, 3 or 5.

Expected Questions to support multiplying three 1-digit numbers; using knowledge of place value to multiply a 2-digit number by a single digit number when working out the answer.

Greater Depth Questions to support multiplying three numbers, including 10, 11 and 12; using knowledge of place value to multiply a 2-digit number by a 2-digit number when working out the answer.

More [Year 4 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Multiply 3 Numbers

Multiply 3 Numbers

1a. Complete the calculations below.

$$1 \times 7 \times 5 = \square$$

$$2 \times 6 \times 2 = \square$$

$$3 \times 1 \times 9 = \square$$



VF

1b. Complete the calculations below.

$$2 \times 1 \times 9 = \square$$

$$4 \times 3 \times 5 = \square$$

$$2 \times 6 \times 5 = \square$$



VF

2a. True or false?

$$6 \times 4 \times 2 = 48$$



VF

2b. True or false?

$$5 \times 5 \times 2 = 40$$



VF

3a. Write 3 multiplication calculations using the numbers below.

24

3

1

8



VF

3b. Write 3 multiplication calculations using the numbers below.

2

7

28

2



VF

4a. Add the missing digits to the calculations below.

$$2 \times \square \times 2 = 36$$

$$\square \times 2 \times 5 = 70$$

$$3 \times 2 \times \square = 12$$



VF

4b. Add the missing digits to the calculations below.

$$\square \times 1 \times 3 = 18$$

$$2 \times 4 \times \square = 40$$

$$4 \times \square \times 3 = 12$$



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Multiply 3 Numbers

Multiply 3 Numbers

5a. Complete the calculations below.

$$6 \times 2 \times 4 = \square$$

$$7 \times 3 \times 3 = \square$$

$$6 \times 0 \times 9 = \square$$



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5b. Complete the calculations below.

$$5 \times 4 \times 4 = \square$$

$$9 \times 0 \times 8 = \square$$

$$7 \times 2 \times 6 = \square$$



VF

6a. True or false?

$$8 \times 4 \times 3 = 92$$



VF

6b. True or false?

$$2 \times 8 \times 5 = 42$$



VF

7a. Work out the missing digit and write 3 multiplication calculations using the numbers below.

$$6 \times \square$$

$$9 \times 2$$



VF

7b. Work out the missing digit and write 3 multiplication calculations using the numbers below.

$$9 \times 6$$

$$\square \times 1$$



VF

8a. Add the missing digits to the calculations below.

$$2 \times \square \times 4 = 32$$

$$\square \times 3 \times 6 = 36$$

$$3 \times 3 \times \square = 99$$



VF

8b. Add the missing digits to the calculations below.

$$\square \times 2 \times 8 = 32$$

$$3 \times 9 \times \square = 54$$

$$2 \times \square \times 7 = 42$$



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Multiply 3 Numbers

Multiply 3 Numbers

9a. Complete the calculations below.

$$2 \times 3 \times 11 = \square$$

$$9 \times 10 \times 7 = \square$$

$$4 \times 12 \times 5 = \square$$



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9b. Complete the calculations below.

$$7 \times 12 \times 3 = \square$$

$$10 \times 3 \times 8 = \square$$

$$11 \times 9 \times 5 = \square$$



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10a. True or false?

$$5 \times 3 \times 10 = 105$$



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10b. True or false?

$$6 \times 12 \times 5 = 360$$



VF

11a. Work out the missing digit and write 3 multiplication calculations using the numbers below.

12

144

2



VF

11b. Work out the missing digit and write 3 multiplication calculations using the numbers below.

7

336

6



VF

12a. Add the missing digits to the calculations below.

$$5 \times \square \times 7 = 175$$

$$\square \times 9 \times 6 = 216$$

$$6 \times 3 \times \square = 108$$



VF

12b. Add the missing digits to the calculations below.

$$\square \times 5 \times 3 = 105$$

$$7 \times 8 \times \square = 112$$

$$9 \times \square \times 5 = 225$$



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Varied Fluency Multiply 3 Numbers

Developing

1a. 35, 24, 27

2a. True

3a. Various answers; for example:

$3 \times 8 \times 1 = 24$, $3 \times 1 \times 8 = 24$, $8 \times 3 \times 1 = 24$

4a. 9, 7, 2

Expected

5a. 48, 63, 0

6a. False; $8 \times 4 \times 3 = 96$

7a. The missing number is 108.

Various answers, for example:

$6 \times 9 \times 2 = 108$, $6 \times 2 \times 9 = 108$,

$9 \times 6 \times 2 = 108$

8a. 4, 2, 11

Greater Depth

9a. 66, 630, 240

10a. False; $5 \times 3 \times 10 = 150$

11a. This missing number is 6.

Various answers, for example:

$2 \times 6 \times 12 = 144$, $6 \times 2 \times 12 = 144$,

$12 \times 2 \times 6 = 144$

12a. 5, 4, 6

Varied Fluency Multiply 3 Numbers

Developing

1b. 18, 60, 60

2b. False; $5 \times 5 \times 2 = 50$

3b. $2 \times 2 \times 7 = 28$, $2 \times 7 \times 2 = 28$,

$7 \times 2 \times 2 = 28$

4b. 6, 5, 1

Expected

5b. 80, 0, 84

6b. False; $2 \times 8 \times 5 = 80$

7b. The missing number is 54.

Various answers, for example:

$9 \times 6 \times 1 = 54$, $9 \times 1 \times 6 = 54$, $6 \times 9 \times 1 = 54$

8b. 2, 2, 3

Greater Depth

9b. 252, 240, 495

10b. True

11b. The missing number is 8.

Various answers, for example:

$7 \times 8 \times 6 = 336$, $7 \times 6 \times 8 = 336$,

$8 \times 7 \times 6 = 336$

12b. 7, 2, 5