Varied Fluency
Step 10: Multiples of 10, 100 and 1,000

National Curriculum Objectives:

Mathematics Year 5: (5C8a) Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes

Differentiation:

Developing Questions to support multiplying and dividing numbers with up to 4-digits by multiples of 10, 100 and 1,000. All questions have the corresponding related fact including the answer.

Expected Questions to support multiplying and dividing numbers with up to 5-digits by multiples of 10, 100 and 1,000. With some scaffolding provided.

Greater Depth Questions to support multiplying and dividing numbers with up to 5-digits by multiples of 10, 100 and 1,000. No scaffolding provided. Using a mixture of numerals and words.

More Year 5 Multiplication and Division resources.

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

Multiples of 10, 100 and 1,000

1a. Use this multiplication fact to complete the calculations and find the odd one out.

$$22 \times 2 = 44$$

A.   22   x   20   =

B.   220   x   2   =

C.   220   x   20   =

VF

1b. Use this multiplication fact to complete the calculations and find the odd one out.

$$31 \times 3 = 93$$

A.   310   x   3   =

B.   310   x   30   =

C.   31   x   30   =

VF

2a. Complete the statement to make it true.

If $180 \times 4 = 640$ then $180 \times 40 =$ _____

VF

2b. Complete the statement to make it true.

If $480 \div 4 = 120$ then $480 \div 40 =$ _____

VF

3a. Use this division fact to check the answers to the calculations below. Tick the correct calculations.

$$750 \div 30 = 25$$

A.   25   x   30   =   75   ☐

B.   75   ÷   3   =   25   ☐

C.   750   ÷   3   =   250   ☐

VF

3b. Use this division fact to check the answers to the calculations below. Tick the correct calculations.

$$160 \div 40 = 4$$

A.   16   ÷   4   =   40   ☐

B.   160   ÷   4   =   4   ☐

C.   4   x   40   =   160   ☐

VF

4a. Match the calculations to the correct answer. Use the number fact to help you.

$$9,000 \div 3 = 3,000$$

A   3 x 3   90

B   3,000 x 3   9

C   30 x 3   9,000

VF

4b. Match the calculations to the correct answer. Use the number fact to help you.

$$600 \times 6 = 3,600$$

A   3,600 ÷ 6   6

B   36 ÷ 6   600

C   360 ÷ 6   60

VF

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Varied Fluency – Multiples of 10, 100 and 1,000 – Year 5 Developing

Multiples of 10, 100 and 1,000

Multiples of 10, 100 and 1,000

5a. Use this multiplication fact to complete the calculations and find the odd one out.

$$340 \times 3 = 1{,}020$$

A.   30   x   340   =

B.   3,400   x   3   =

C.   34   x   30   =

VF

5b. Use this multiplication fact to complete the calculations and find the odd one out.

$$420 \times 4 = 1{,}680$$

A.   420   x   40   =

B.   42   x   40   =

C.   4,200   x   4   =

VF

6a. Complete the statement to make it true.

If 8 x 120 = _____ then 80 x 120 = _____

VF

6b. Complete the statement to make it true.

If 450 ÷ 50 = _____ then 4,500 ÷ 50 = _____

VF

7a. Use this division fact to check the answers to the calculations below. Tick the correct calculations.

$$9{,}200 \div 200 = 46$$

A.   200   x   46   =   9,200   ☐

B.   920   ÷   20   =   460   ☐

C.   9,200   ÷   20   =   46   ☐

VF

7b. Use this division fact to check the answers to the calculations below. Tick the correct calculations.

$$3{,}400 \div 100 = 34$$

A.   34   x   1,000   =   3,400   ☐

B.   340   ÷   10   =   34   ☐

C.   3,400   ÷   20   =   170   ☐

VF

8a. Match the calculations to the correct answer.

A	7 x 1,200	840
B	7 x 120	84,000
C	7 x 12,000	8,400

VF

8b. Match the calculations to the correct answer.

A	6,000 ÷ 5	3,000
B	600 x 5	1,200
C	6,000 ÷ 50	120

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Varied Fluency – Multiples of 10, 100 and 1,000 – Year 5 Expected

Multiples of 10, 100 and 1,000

Multiples of 10, 100 and 1,000

9a. Using your knowledge of multiplication facts, complete the calculations and find the odd one out.

A.   5,600 ÷ 16   =

B.   35   x   100 =

C.   2,800 ÷ 8   =

GD   VF

9b. Using your knowledge of multiplication facts, complete the calculations and find the odd one out.

A.   630   x   6   =

B.   630   x   60   =

C.   6,300 x   6   =

GD   VF

10a. Complete the statement to make it true.

If 7 x 21 = ___ then 700 x 210 = _____

GD   VF

10b. Complete the statement to make it true.

If 720 ÷ 9 = ____ then 7,200 ÷ 900 = _____

GD   VF

11a. Complete this division fact and use it to check the answers to the calculations below. Tick the correct calculations.

15,000 ÷ 300 = __

A. three thousand   x   50   =   15,000   ☐

B. 1,500   ÷   thirty   =   50   ☐

C. 15,000   ÷   30   =   five hundred   ☐

GD   VF

11b. Complete this division fact and use it to check the answers to the calculations below. Tick the correct calculations.

670 x 5 = __

A. 6,700   x   fifteen   =   10,050   ☐

B. three thousand, three hundred and fifty   ÷   5   =   670   ☐

C. 3,350   ÷   50   =   six hundred and seventy   ☐

GD   VF

12a. Match the calculations to the correct answer.

A eighty multiplied by one hundred and forty   11,200

B the product of eight thousand and fourteen   one hundred and twelve thousand

C 80 x 14,000   1, 120,000

GD   VF

12b. Match the calculations to the correct answer.

A four hundred and eighty multiplied by twenty   forty-eight

B nine thousand, six hundred divided by two hundred   1,920

C 9,600 ÷ 5   nine thousand, six hundred

GD   VF

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Varied Fluency – Multiples of 10, 100 and 1,000 – Year 5 Greater Depth

Developing

1a. A = 440, B = 440, C = 4,400. C is the odd one out.

2a. 6,400

3a. B and C are correct.

4a. A = 9, B = 9,000, C = 90

Expected

5a. A = 10,200, B = 10,200, C = 1,020. C is the odd one out.

6a. 960; 9,600

7a. A is correct.

8a. A = 8,400, B = 840, C = 84,000

Greater Depth

9a. A = 350, B = 3,500, C = 350. B is the odd one out.

10a. 147; 147,000

11a. Division fact = 50. B and C are correct.

12a. A = 11,200, B = one hundred and twelve thousand, C = 1,120,000

Developing

1b. A = 930, B = 9300, C = 930. B is the odd one out.

2b. 12

3b. C is correct.

4b. A = 600, B = 6, C = 60

Expected

5b. A = 16,800, B = 1,680, C = ,16,800. B is the odd one out.

6b. 9; 90

7b. B and C are correct.

8b. A = 1,200, B = 3,000, C = 120

Greater Depth

9b. A = 3,780, B = 37,800, C = 37,800. A is the odd one out.

10b. 80; 8

11b. B is correct.

12b. A = nine thousand, six hundred, B = forty-eight, C = 1,920

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