Homework/Extension Step 2: Multiply by 100

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12×12

Mathematics Year 4: (4C6b) <u>Use place value, known and derived facts to multiply and</u> <u>divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three</u> <u>numbers</u>

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Complete the missing answers when multiplying by 100. PV charts and counters.

Expected Complete the missing answers when multiplying by 100. Includes numerals. Greater Depth Complete the missing answers when multiplying by 100. Numbers are presented using unconventional partitioning.

Questions 2, 5 and 8 (Varied Fluency)

Developing Multiply the numbers by 100 and order from smallest to greatest. PV charts and counters.

Expected Multiply the numbers by 100 and order from smallest to greatest. Includes numerals, words and PV charts and counters.

Greater Depth Multiply the numbers by 100 and order from smallest to greatest. Numbers are presented using unconventional partitioning and words.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain which is the odd one out when matching 2-digit numbers with their multiple of 100. PV charts and counters.

Expected Explain which is the odd one out when matching 2-digit numbers with their multiple of 100. Includes numerals.

Greater Depth Explain which is the odd one out when matching 2-digit numbers with their multiple of 100. Some numbers are presented using unconventional partitioning and multiplying by 10 x 10.

More <u>Year 4 Multiplication and Division</u> resources.

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Homework/Extension – Multiply by 100 – Teaching Information

Multiply by 100

1. Elliot has not finished his homework. Each number should be multiplied by 100. Add the missing counters or numbers to complete Elliott's homework.



2. Multiply the following numbers by 100 and place them in order from smallest to greatest.



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Homework/Extension – Multiply by 100 – Year 4 Developing

Multiply by 100

4. Jade has not finished her homework. Each number should be multiplied by 100. Add the missing numbers to complete Jade's homework.



5. Multiply the following numbers by 100 and place them in order from smallest to greatest.



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Homework/Extension – Multiply by 100 – Year 4 Expected

Multiply by 100

7. Winston has not finished his homework. Each number should be multiplied by 100. Add the missing numbers to complete Winston's homework. 1 ten and 17 Α. ones 5 tens and B. twenty ones x 100 6 tens and 11 С. ones 5 tens and D. fifteen ones HW/Ext 8. Multiply the following numbers by 100 and place them in order from smallest to areatest. Α. Β. С. 5 tens and twelve ones fifty-nine 12 ones six tens D. Ε. 2 tens and 14 3 tens and 37 ones ones VF HW/Ext 9. Some of the following calculations have been completed. 2 tens and 19 ones 16 x 10 x 51 x 10 x 35 x 10 x 52 x 100 and 3 38 ones x 10 10 10 tens x 100 100 5,100 5,200 5,800 3,500 1,600 The answers have been jumbled up. Which calculation has not been completed? Prove it. RPS HW/Ext

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Homework/Extension – Multiply by 100 – Year 4 Greater Depth

Homework/Extension Multiply by 100

Developing

A = 7,400; B = 9,600; C = 4,700
 A = 6,300; B = 1,900; C = 2,800; D = 900
 Smallest to greatest is D, B, C and A.
 12 has not been multiplied because 12 x 100 = 1,200 and there is no place value chart for 1,200.

Expected

4. A = 7,100; B = 8,200; C = 1,700; D = 6,400
5. A = 4,300; B = 3,400; C = 1,400; D = 3,700 and E = 4,200
Smallest to greatest is C, B, D, E and A.
6. 91 has not been multiplied because 91 x 100 = 9,100 and there is no answer for 9,100.

Greater Depth

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7. A = 2,700; B = 7,000 C = 7,100; D = 6,500
8. A = 6,200; B = 5,900; C = 7,200; D = 6,700 and E = 3,400
Smallest to greatest is E, B, A, D and C.
9. 19 ones and 3 tens x 100 has not been multiplied because 19 ones + 3 tens = 49 x 100 = 4,900 and there is no answer for 4,900.



Homework/Extension – Multiply by 100 ANSWERS