Math Practice - Grade 4

M5 Multi digit multiplication - Partial products

M5 4.NBT.B.5

Name: _____ Date: _____

Break the second factor into tens and ones. Multiply each part, then add the parts.

Example: Break 98 into 90 and 8. Multiply each part, then add the parts.

How: Multiply the number by the tens part, then by the ones part. The two partial products add up to the whole product.

85 x 98 = 85 x 90 + 85 x 8

85 x 90 = 7650

85 x 8 = 680

7650 + 680 = 8330

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1 **Break 44 into 40 and 4. Multiply each part, then add the parts.**

32 x 44 = 32 x 40 + 32 x 4

32 x 40 = ☐

32 x 4 = ☐

1280 + 128 = ☐

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2 **Break 44 into 40 and 4. Multiply each part, then add the parts.**

43 x 44 = 43 x 40 + 43 x 4

43 x 40 = ☐

43 x 4 = ☐

1720 + 172 = ☐

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3 **Break 98 into 90 and 8. Multiply each part, then add the parts.**

52 x 98 = 52 x 90 + 52 x 8

52 x 90 = ☐

52 x 8 = ☐

4680 + 416 = ☐

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Break the second factor into tens and ones. Multiply each part, then add the parts.

Example: Break 53 into 50 and 3. Multiply each part, then add the parts.

How: Multiply the number by the tens part, then by the ones part. The two partial products add up to the whole product.

28 x 53 = 28 x 50 + 28 x 3

28 x 50 = 1400

28 x 3 = 84

1400 + 84 = 1484

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1 **Break 72 into 70 and 2. Multiply each part, then add the parts.**

81 x 72 = 81 x 70 + 81 x 2

81 x 70 = ☐

81 x 2 = ☐

5670 + 162 = ☐

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2 **Break 85 into 80 and 5. Multiply each part, then add the parts.**

82 x 85 = 82 x 80 + 82 x 5

82 x 80 = ☐

82 x 5 = ☐

6560 + 410 = ☐

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3 **Break 89 into 80 and 9. Multiply each part, then add the parts.**

69 x 89 = 69 x 80 + 69 x 9

69 x 80 = ☐

69 x 9 = ☐

5520 + 621 = ☐

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Name: _____ Date: _____

Break the second factor into tens and ones. Multiply each part, then add the parts.

Example: Break 81 into 80 and 1. Multiply each part, then add the parts.

How: Multiply the number by the tens part, then by the ones part. The two partial products add up to the whole product.

76 x 81 = 76 x 80 + 76 x 1

76 x 80 = 6080

76 x 1 = 76

6080 + 76 = 6156

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1 **Break 18 into 10 and 8. Multiply each part, then add the parts.**

22 x 18 = 22 x 10 + 22 x 8

22 x 10 = ☐

22 x 8 = ☐

220 + 176 = ☐

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2 **Break 58 into 50 and 8. Multiply each part, then add the parts.**

57 x 58 = 57 x 50 + 57 x 8

57 x 50 = ☐

57 x 8 = ☐

2850 + 456 = ☐

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3 **Break 85 into 80 and 5. Multiply each part, then add the parts.**

86 x 85 = 86 x 80 + 86 x 5

86 x 80 = ☐

86 x 5 = ☐

6880 + 430 = ☐