Multi-digit multiplication study guide

 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Find the products.      8 3                                   3 4        x  6 0                                x 2 7    -------------                          ------------- |

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| Which 2 factors have a product of 495?1. 15 x 33
2. 20 x 30
3. 15 x 30
4. 15 x 25
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| Which product is between 650 and 700?1. 38 x 12
2. 46 x 12
3. 50 x 15
4. 45 x 15
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| 61 x 28 is closest to1. 1,800
2. 1,700
3. 170
4. 89
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| Complete the partial products for the broken-up array. Then solve for the total array.

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|   x | 70 | 4 |
|  30 |  |  |
|  8 |  |  |

                                                                     74 x 38 =  \_\_\_\_\_\_\_\_\_\_\_\_ |

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| Which statement is true?1. 3 x 3 = 6 + 9
2. 7 x 4 = 14 + 3
3. 5 x 3 = 11 + 7
4. 6 x 8 = 24 + 24
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| Paul bought six boxes of chocolate candy and four boxes of caramel candy. If each box has nine pieces inside it, how much candy did he have total?Show work: |

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| Complete the multiplication sentences so that the product is the same as the first one.3 x 800 = 30 x \_\_\_\_\_\_\_\_.                 90 x 40 = 9 x \_\_\_\_\_\_\_\_. |

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| Estimate the products.      5 3                                 8 1          x    9                               x    6     --------------                      -------------- |

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| Wendy earned 5 points for each bag of cans she recycled. If she had 11 bags, but didn’t recycle of 2 of them, how many points would she have earned?Show work: |

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| Which is the only expression that is NOT represented by the diagram?

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|   x | 20 | 5 |
|   60 |  |  |
|   8 |  |  |

1. 68 x 25
2. (60 + 8) x (20 + 5)
3. 68 + 25
4. 1200 + 300 + 160 + 40
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