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| **Multiplying and Dividing Larger Numbers** | | |
| Uses divisibility tests to identify numbers that are divisible by 2, 3, and 5.  285  “Not divisible by 2 as the ones digit is not even.  Divisible by 3 because the sum of the digits, 15, is divisible by 3.  Divisible by 5 as the ones digit is 5.” | Models multiplication and division situations concretely and pictorially (i.e., using Base Ten Blocks, arrays, open arrays)  258 15 = ?  A table with numbers and a few words  Description automatically generated  “I used an open array and added all the areas:  2000 + 1000 + 500 + 250 + 80 + 40 = 3870. So, 258 15 = 3870.” | Uses standard algorithms to multiply and divide  258 15 =?  A math problem with numbers  Description automatically generated  “I used the standard algorithm to multiply.” |
| **Observations/Documentation** | | |
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| **Multiplying and Dividing Larger Numbers (cont’d)** | | |
| Estimates to determine if answer to multiplication or division problem is reasonable  258 15 = 3870  “258 is close to 250. 250 15 = (250 10) + (250 5)  = 2500 + 1250  = 3750  3870 is close to 3750. So, my answer is reasonable.” | Expresses a quotient with or without a remainder according to context  There are 114 students going on field trip. Each bus holds 9 students. How many buses are needed?  A black numbers and a white background  Description automatically generated  114 9 = 12 R6 “Since 6 students cannot be left behind,  13 buses are needed.” | Creates and solves multiplication and division problems flexibly using a variety of strategies  5 elephants share 748 kg of food.  How much food does each elephant get?  748 ÷ 5 = (500 ÷ 5) + (200 ÷ 5) + (45 ÷ 5) + (3 ÷ 5)  = 100 + 40 + 9 + (3 ÷ 5)  = 149 R3, or 149or 149, or 149.6  Each elephant got 149.6 kg of food. |
| **Observations/Documentation** | | |
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