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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 divide258 $×$ 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 = 37503870 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 generated114 $÷$ 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 149.6Each elephant got 149.6 kg of food. |
| **Observations/Documentation** |
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