



## HOW YOU CAN HELP AT HOME

(CONTINUED)

For example, you roll a 6, a 2, and a 5, which represents 625. She rolls a 1 and a 3, which represent 13. You write  $625 \times 13$  and say, “First, estimate the answer, and then solve the problem.”

Answers:  $625 \times 13 \approx 600 \times 10 = 6,000$ ;  $625 \times 13 = 8,125$

Challenge: Change the whole numbers of the first number rolled into a decimal number (e.g.,  $62.5 \times 13$ ,  $6.25 \times 13$ , or  $0.625 \times 13$ ).

Answers:

$62.5 \times 13 \approx 60 \times 10 = 600$ ;  $62.5 \times 13 = 812.5$

$6.25 \times 13 \approx 6 \times 10 = 60$ ;  $6.25 \times 13 = 81.25$

$0.625 \times 13 \approx 1 \times 10 = 10$ ;  $0.625 \times 13 = 8.125$

- Play the Divide the Dice number game with your child to practice multi-digit division. You can use two dice for two-digit numbers, three dice for three-digit numbers, or four dice for four-digit numbers.
  1. You can select up to four dice to roll to create a multi-digit number to represent the whole.
  2. Your child selects two dice to roll to create a two-digit number to represent the divisor.
  3. You write the division expression using the whole and the divisor and say, “First, estimate the answer, and then solve the problem.”

For example, you roll a 6, a 1, and a 1, which represents 611. She rolls a 2 and a 6, which represent 26. You write  $611 \div 26$  and say, “First, estimate the answer, and then solve the problem.”

Answers:  $611 \div 26 \approx 600 \div 30 = 20$ ;  $611 \div 26 = 23.5$

Challenge: Change the whole numbers of the first number rolled into a decimal number (e.g.,  $61.1 \div 26$  or  $6.11 \div 26$ ).

Answers:

$61.1 \div 26 \approx 60 \div 30 = 2$ ;  $61.1 \div 26 = 2.35$

$6.11 \div 26 \approx 6 \div 30 = 0.2$ ;  $6.11 \div 26 = 0.235$