Lesson 3.2

Estimate Products

Estimate the product. Choose a method.

1. $38 \times 21$
2. $63 \times 19$
3. $27 \times 42$

4. $73 \times 67$
5. $37 \times 44$
6. $85 \times 71$

7. $88 \times 56$
8. $97 \times 13$
9. $92 \times 64$

Problem Solving

10. A dime has a diameter of about 18 millimeters. About how many millimeters long would a row of 34 dimes be?

11. A half-dollar has a diameter of about 31 millimeters. About how many millimeters long would a row of 56 half-dollars be?
Lesson Check (4.NBT.5)

1. What is a reasonable estimate for the product of $43 \times 68$?

2. Marissa burns 93 calories each time she plays fetch with her dog. She plays fetch with her dog once a day. About how many calories will Marissa burn playing fetch with her dog in 28 days?

Spiral Review (4.NBT.1, 4.NBT.3, 4.NBT.5)

3. Use the model to find $3 \times 126$.

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\begin{array}{c|c|c}
& 100 & 20 \\
3 & & 6 \\
\end{array}
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4. A store sells a certain brand of jeans for $38. One day, the store sold 6 pairs of jeans of that brand. How much money did the store make from selling the 6 pairs of jeans?

5. The Gateway Arch in St. Louis, Missouri, weighs about 20,000 tons. Write an amount that could be the exact number of tons the Arch weighs.

6. What is another name for 23 ten thousands?