

SKILL 13: Estimating Products

To estimate products, round each factor so that the multiplication is easy.

Example 1

Estimate 398×18 .

$$398 \times 18$$
 Round 398 to 400.
 $\downarrow \qquad \downarrow$ Round 18 to 20.
 $400 \times 20 = 8,000$ Multiply 400×20 .

An estimate of this product is 8,000.

Example 2

Estimate $5,173 \times 99$.

$$5,173 \times 99$$
 Round 5,173 to 5,000.
 $\downarrow \qquad \downarrow$ Round 99 to 100.
 $5,000 \times 100 = 500,000$ Multiply $5,000 \times 100$.

An estimate of this product is 500,000.

Guided Practice

Estimate each product. Round each factor to make the computation easy.

Estimate each product. Show what numbers you used.

SKILL 13: Practice

Estimate each product. Round to make the computation easy.

9.
$$449 \times 42$$

12.
$$117 \times 31$$

13.
$$211 \times 4,924$$

14.
$$823 \times 683$$

15.
$$7 \times 9,545,248$$

Solve.

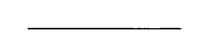
16. A swimming pool is 28 meters long. Millie swims 21 lengths in the pool. About how many meters does Millie swim?

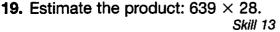


17. Seth needs 23 bolts that are 29¢ each. Estimate the cost of the bolts.



18. Each baseball cap requires 72 inches of stitching. Estimate the inches of stitching needed for 48 caps.





A 1,200

C 18,000

B 12,000

D 21,000

20. Which of these numbers is the greatest?

Skill 3

F 2,899

H 990

G 3,001

J 1,998