

MY Homework**Lesson 1****Estimate Products of Whole Numbers and Decimals****Homework Helper**Need help? connectED.mcgraw-hill.com

Estimate the product of 44.5 and 11.



Use compatible numbers.

$$\begin{array}{r} 44.5 \times 11 \\ \downarrow \quad \downarrow \\ 45 \quad 10 \end{array}$$



Multiply.

$$45 \times 10 = 450$$

So, 44.5×11 is about 450.**Practice**Estimate each product. **Sample answers: 1–9**

1. $\$27.64 \times 3$

$\$30 \times 3 = \90

2. 11.9×21

$12 \times 20 = 240$

3. 87.2×41

$90 \times 40 = 3,600$

4. 7.7×4

$8 \times 4 = 32$

5. $\$63.44 \times 6$

$\$60 \times 6 = \360

6. 51.7×9

$50 \times 9 = 450$

7. 33.3×33

$30 \times 30 = 900$

8. $\$17.55 \times 9$

$\$20 \times 9 = \180

9. 17.6×51

$20 \times 50 = 1,000$



Problem Solving **Sample** answers: 10–14

- 10. Mathematical PRACTICE 1** **Make Sense of Problems** Andrea earns \$32.25 a day. After 9 days, about how much will she have earned?

\$30 × 9, or \$270

- 11.** Janie skates at the local skating rink for about 2.4 hours every day. If the skating rink is open 54 days a year, about how many hours does Janie skate each year?

2 × 54, or 108 hours

- 12.** Each Sunday during his nine-week summer vacation, Ray buys a newspaper. The Sunday paper costs \$1.85. About how much does Ray spend on the Sunday newspaper during his vacation?

9 × \$2, or \$18

- 13.** A group of 5 people goes to the theater. If each ticket costs \$6.50, is \$50 a reasonable estimate for the cost of 5 tickets? Explain.

no; $5 \times \$7 = \35 , so the estimate is

too high.

- 14.** An amusement park charges \$35.50 for admission. On Saturday, 6,789 people visited the park. About how much money did the park earn from admission that day?

\$40 × 7,000 or \$280,000

My Work!



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Test Practice

- 15.** In Spanish class, Kevin learns an average of 34.5 new words per month. If he takes Spanish for 9 months, which is the best estimate for about how many words he will learn?

- A 350 words C 360 words
 B 355 words D 365 words