



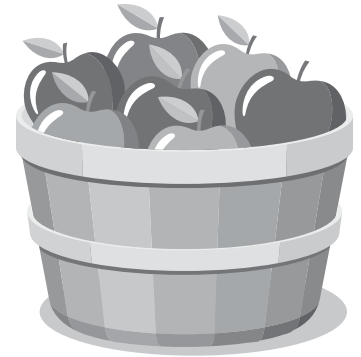
## Estimate Quotients Using Compatible Numbers

- 1** Mr. Howard buys 656 apples for his summer camp. There are 8 cabins of campers. He says that he can give each cabin 82 apples. Is this reasonable? Explain why or why not.

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- 2 Financial Literacy** Mr. Howard plans his budget for snacks at his summer camp. He can spend \$4,450 for 7 days of camp. He says he can spend \$825 each day on snacks. Is this reasonable? Use estimation to justify your answer.

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Use compatible numbers to estimate the quotient.

**3**  $459 \div 9$

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**4**  $1,506 \div 3$

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**5**  $5,465 \div 7$

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**6**  $3,762 \div 6$

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Find two estimates that the quotient is between.

**7**  $2,108 \div 4$

The quotient is between  
\_\_\_\_\_ and \_\_\_\_\_.

**8**  $5,316 \div 6$

The quotient is between  
\_\_\_\_\_ and \_\_\_\_\_.

## Test Prep

- 9 Paulina plants 328 flower bulbs in a garden. She plants the bulbs in 8 rows. Which is the best estimate for the number of bulbs Paulina plants in each row?
- (A) about 20                      (C) about 60  
(B) about 40                      (D) about 80
- 10 Imani has 5,562 baseball cards to put into 9 binders. Which of the following best estimates the number of cards she can put in each binder?
- (A) It is between 60 and 70.                      (C) It is between 600 and 700.  
(B) It is between 500 and 600.                      (D) It is between 5,000 and 6,000.
- 11 Draw a line to match each division problem with the best way to use compatible numbers to estimate the quotient.
- |                |                       |                |                       |
|----------------|-----------------------|----------------|-----------------------|
| $4,308 \div 6$ | <input type="radio"/> | $3,600 \div 6$ | <input type="radio"/> |
| $3,846 \div 6$ | <input type="radio"/> | $5,400 \div 6$ | <input type="radio"/> |
| $4,792 \div 6$ | <input type="radio"/> | $4,200 \div 6$ | <input type="radio"/> |
| $5,284 \div 6$ | <input type="radio"/> | $4,800 \div 6$ | <input type="radio"/> |

## Spiral Review

- 12 Joelly has 8 feet of pink string and 3 times as many feet of purple string. Write an equation to find  $f$ , how many feet of purple string Joelly has. Then find the value that makes the equation true.
- \_\_\_\_\_
- \_\_\_\_\_
- 13 A pair of dress pants costs \$60. That is 3 times as much as a pair of sweatpants. How much do the sweatpants cost? Write multiplication and division equations to model and solve the problem. Use  $s$  for the unknown.
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- \_\_\_\_\_