

Ratios

Solve the problems.

- 1 Alicia has pencils and markers as shown in the tape diagram. Write the ratio of markers to pencils in three different ways.



Be sure the terms in each ratio are in the correct order.



- 2 Kenny has 2 red marbles, 3 blue marbles, and 4 black marbles. Which ratio compares a part to the whole?

- A 2 to 7 C 5 to 4
B 3 : 9 D 9 : 5

The whole in this problem is the total of the red, blue, and black marbles.



- 3 Mrs. Adams buys 4 bananas and 6 apples. Tell whether each statement is *True* or *False*.

- a. The ratio of bananas to apples is 6 : 4. True False
- b. The ratio of apples to total fruit is 10 to 6. True False
- c. The ratio of bananas to total fruit is 4 to 10. True False
- d. The ratio of total fruit to apples is $\frac{6}{10}$. True False

Does the ratio compare part to part or part to whole?



Solve.

4 For his exercise last weekend, Benito walked 5 miles and jogged 2 miles. What is the ratio of the miles walked to the total number of miles of exercise?

- A** 5 to 2 **C** 5 : 7
B 2 : 7 **D** 7 to 5

Elsa chose **A** as the correct answer. How did she get that answer?

Are you finding a ratio that compares part to part or part to whole?



5 The ratio of boys to girls in Mr. Smith's class is 3 : 2. Which statement is correct? Circle all that apply.

- A** For every 3 boys, there are 2 girls.
B For every 2 boys, there are 3 girls.
C There are exactly 5 students in Mr. Smith's class.
D The ratio of the number of boys in the class to the total number of students is 3 : 5.
E The ratio of the number of students in the class to the number of girls is 5 to 2.

Does the statement describing the ratio match the numerical ratio given in the problem?



6 Kelly buys a hat and gloves. The price of the hat is 4 times as much as the gloves. The hat costs \$8. What is the ratio of the cost of the gloves to the total cost for both items?

Show your work.

How can you find the cost of the gloves?



Solution: _____