

Multiply Decimals by Whole Numbers

Guided Practice



Multiply. (Examples 1–5)

1. $2.7 \times 6 =$ _____

Show your work.

2. $0.52 \times 3 =$ _____

3. $5 \times 0.09 =$ _____

4. $4 \times 0.027 =$ _____

5. $0.071 \times 8 =$ _____

6. $0.065 \times 18 =$ _____

7. A bee hummingbird has a mass of 1.8 grams. How many grams are 6 hummingbirds and a 4-gram nest? (Example 6)

8. Justin buys 12 pencils for \$0.56 each. He pays with a \$10 bill. How much change will he receive? (Example 6)

Independent Practice

Multiply. (Examples 1–5)

1. $1.2 \times 7 =$ _____

Show your work.

2. $0.7 \times 9 =$ _____

3. $2 \times 1.3 =$ _____

4. $0.8 \times 9 =$ _____

5. $3 \times 0.02 =$ _____

6. $0.0036 \times 19 =$ _____

7 The table shows the number of gallons of gasoline the Beckleys purchased on their road trip. What was the total cost for gas for the trip? (Example 6)

Fuel	
Number of Gallons	Cost per Gallon (\$)
12	4.89
17	4.72
15	5.09

.....

8. Sharon buys 14 folders for \$0.75 each. How much change will she receive if she pays with \$15? (Example 6)

.....

 **Standardized Test Practice**

16. Anita bought 3 bags of sugar. Each bag weighed 36.8 ounces. How many ounces of sugar did she buy?

- (A) 11.04
- (B) 73.6
- (C) 110.4
- (D) 120.8

20. $3 \times 0.5 =$

21. $7 \times 0.012 =$

22. $0.0198 \times 75 =$

23. The mass of a certain monarch butterfly is 0.56 gram. What is the mass of 4 monarch butterflies?

.....



24. The height of Mount Everest, in meters, can be found by multiplying 8.85 by 1,000. Find the height of Mount Everest. Explain your answer.

.....

25. A sheet of printer paper is 8.5 inches by 11 inches. What is the area of the paper? (Hint: area = length \times width)

.....
