Multiplication with Decimals and Whole Numbers

Find the product.

10.8
Think: The place value of the decimal factor is tenths.

4.   8.42
     $\times$ 9

5.   14.05
     $\times$ 7

6.   23.82
     $\times$ 5

7. 4×9.3

8. 3×7.9

9. 5×42.89

10. 8×2.6

11. 6×0.92

12. 9×1.04

13. 7×2.18

14. 3×19.54

Problem Solving REAL WORLD

15. A half-dollar coin issued by the United States Mint measures 30.61 millimeters across. Mikk has 9 half dollars. He lines them up end to end in a row. What is the total length of the row of half dollars?

_____

16. One pound of grapes costs $3.49. Linda buys exactly 3 pounds of grapes. How much will the grapes cost?

_____

Lesson Check (5.NBT.2, 5.NBT.7)

1. Pete wants to make turkey sandwiches for two friends and himself. He wants each sandwich to contain 3.5 ounces of turkey. How many ounces of turkey does he need?

(A) 3.5 ounces

(B) 7 ounces

(C) 10.5 ounces

(D) 14 ounces

2. Gasoline costs $2.84 per gallon. Mary's father puts 9 gallons of gasoline in the tank of his car. How much will the gasoline cost?

(A) $2.84

(B) $9

(C) $25.56

(D) $255.60

Spiral Review (5.OA.1, 5.OA.2, 5.NBT.6, 5.NBT.7)

3. A group of 5 boys and 8 girls goes to the fair. Admission costs $9 per person. Which expression does NOT show the total amount the group will pay? **(Lesson 1.11)**

(A) $9 × (5 + 8)

(B) $9 × 5 × 8

(C) ($9 × 5) + ($9 × 8)

(D) $9 × 13

4. Sue and 4 friends buy a box of 362 baseball cards at a yard sale. If they share the cards equally, how many cards will each person receive? **(Lesson 2.2)**

(A) 91

(B) 90

(C) 73

(D) 72

5. Sarah rides her bicycle 2.7 miles to school. She takes a different route home, which is 2.5 miles. How many miles does Sarah ride to and from school each day? **(Lesson 3.8)**

(A) 2.5 miles

(B) 2.7 miles

(C) 5.2 miles

(D) 5.4 miles

6. Tim has a box of 15 markers. He gives 3 markers each to 4 friends. Which expression shows the number of markers Tim has left? **(Lesson 1.10)**

(A) (3 × 4) − 15

(B) 15 + (3 × 4)

(C) (15 × 4) − 3

(D) 15 − (3 × 4)