

Chapter 4 — Decimal Sense and Decimal Operations

Worksheet C: Mixed Application

Name: _____ Grade: _____ Date: _____

1. A student says $0.6 + 0.25 = 0.31$. Explain the mistake and give the correct answer.

2. A student calculates $3.8 \times 5.2 = 197.6$. Explain the mistake and correct it.

3. Two swimmers finish in 11.28 s and 11.3 s. Who is faster?

4. Three bottles each hold 2 L. What is the total volume?

5. A rope is 8.25 m and 4.6 m is cut off. How much remains?

6. A student rewrites $6.4 \div 0.8$ as $6.4 \div 8$. Explain the mistake.

7. A bag of rice holds 5.4 kg, split into 3 equal portions. How much is each portion?

8. A price is \$6.20. You buy 3 items. What is the total?

9. Explain why $4.8 \div 0.8$ gives an answer greater than 4.8.

10. A runner runs 4.625 km each day for 2 days. Total distance?

11. A recipe uses 1.75 cups of flour. Triple the recipe. How many cups?

12. A 6.3 m ribbon is cut into pieces of 0.7 m each. How many full pieces?

13. Estimate, then multiply: 5.9×0.68

14. Explain the difference between 0.4 and 0.04.

15. Create your own decimal multiplication problem with an answer close to 2.