

2.3 Multiplying Decimals

Chapter 2: Decimal Operations

Name: _____

Date: _____

Class/Period: _____

Problem 2.31

$$693 \times 2.8$$

Problem 2.34

$$7.48 \times 63$$

Problem 2.32

$$9.42 \times 87$$

Problem 2.35

$$339 \times 0.64$$

Problem 2.33

$$25.6 \times 76$$

Problem 2.36

$$5.37 \times 74$$

2.3 Multiplying Decimals

Chapter 2: Decimal Operations

Problem 2.37

$$94.7 \times 8.3$$

Problem 2.40

$$58.3 \times 0.26$$

Problem 2.38

$$9.94 \times 5.3$$

Problem 2.41

$$44.6 \times 49$$

Problem 2.39

$$87.6 \times 0.45$$

Problem 2.42

$$86.9 \times 7.2$$

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Chapter 2: Decimal Operations

Problem 2.43

$$7.29 \times 0.6$$

Problem 2.46 Match each expression to its product. Each product may be used more than once.

Expressions

Products

$$20 \times 0.25$$

5

$$2.5 \times 8$$

10

$$0.3 \times 70$$

20

$$0.2 \times 25$$

21

$$1.25 \times 8$$

$$1.25 \times 16$$

$$2.5 \times 4$$

$$42 \times 0.5$$

Problem 2.44

$$9.4 \times 5.6$$

Problem 2.47 Who made a mistake? Explain the error and give the correct answer.

Johanna: $7.5 \times 0.2 = 1.5$

Georgia: $0.75 \times 1.4 = 10.5$

Problem 2.45

$$20.5 \times 41$$

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Problem 2.48 Who made a mistake? Explain the error and give the correct answer.

Kyla: $24 \times 0.875 = 21$

Carson: $24 \times 12.5 = 30$

Problem 2.51 Chicken costs \$3.90 per pound. Ms. Gellar buys 2.25 pounds. How much will she spend? Round to the nearest penny.

Problem 2.49 Who made a mistake? Explain the error and give the correct answer.

Cleo: $0.25 \times 18.6 = 4.65$

May: $1.64 \times 94.3 = 15,465.2$

Problem 2.52 Abel walks 12 dogs and travels 2.6 miles each day. How many miles does he travel in one week?

Problem 2.50 Daren installs carpet in a rectangular room measuring 8.3 feet by 3.5 feet. Find the area that will be covered.

Problem 2.53 Gas costs \$3.64 per gallon. Find the cost of 14.1 gallons to the nearest penny.