

2.12 Unit Review

Unit 2: Decimal Operations

Name: _____

Date: _____

Class/Period: _____

Problem 2.153 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$18.47 + 6.905$$

Problem 2.156 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$93.004 + 8.76 + 0.519$$

Problem 2.154 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$0.806 + 14.9$$

Problem 2.157 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$42.7 - 18.936$$

Problem 2.155 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$205 + 37.68$$

Problem 2.158 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$100 - 37.458$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.159 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$6.03 - 0.784$$

Problem 2.161 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

A bookstore sold a notebook for \$7.85, a set of pens for \$4.79, and a folder for \$2.35. What was the total cost?

Problem 2.160 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each sum or difference. Show your work and use estimation to check that your answer is reasonable.

$$16.25 + 9.8 - 7.406$$

Problem 2.162 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

A hiking trail is 12.6 miles long. Elena has already walked 7.85 miles. How many miles does she have left?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.163 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

A package had a mass of 18.425 kilograms before 6.78 kilograms of material was removed. What is the package's new mass?

Problem 2.164 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

Malik ran 2.75 miles on Monday, 3.8 miles on Wednesday, and 4.125 miles on Saturday. How many miles did he run altogether?

Problem 2.165 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

A rectangular garden has side lengths of 8.35 meters and 5.7 meters. What is its perimeter?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.166 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write an equation and answer each question using the correct units.

A checking account had a balance of \$246.80. A deposit of \$75.95 was made, followed by a withdrawal of \$118.47. What is the new balance?

Problem 2.169 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$12.06 \times 7$$

Problem 2.167 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$7.4 \times 26$$

Problem 2.170 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$4.7 \times 3.25$$

Problem 2.168 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$0.38 \times 45$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.171 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$0.84 \times 0.6$$

Problem 2.174 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$15.75 \times 2.08$$

Problem 2.172 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$2.035 \times 1.4$$

Problem 2.175 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

A rectangular room is 8.6 meters long and 4.75 meters wide. What is the area of the room?

Problem 2.173 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Estimate each product before finding the exact answer.

$$9.08 \times 0.09$$

Problem 2.176 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

$$6,852 \div 4$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.177 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

$$9,437 \div 7$$

Problem 2.180 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

$$7,290 \div 9$$

Problem 2.178 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

$$5,008 \div 6$$

Problem 2.181 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

A bakery has 157 muffins. The muffins are placed into boxes that each hold 6 muffins. How many full boxes can be filled, and how many muffins will be left over?

Problem 2.179 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. Write any remainder using R notation unless the problem tells you otherwise. Check your answer using multiplication.

$$12,345 \div 8$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.182 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$8,736 \div 24$$

Problem 2.185 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$5,040 \div 28$$

Problem 2.183 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$12,096 \div 32$$

Problem 2.186 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$10,404 \div 51$$

Problem 2.184 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$7,315 \div 45$$

Problem 2.187 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use estimation and nearby multiples to help choose each quotient digit.

$$18,425 \div 67$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.188 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$47 \div 4$$

Problem 2.191 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$8 \div 3$$

Problem 2.189 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$9 \div 16$$

Problem 2.192 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$17 \div 6$$

Problem 2.190 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$23 \div 5$$

Problem 2.193 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Find each quotient. State whether the decimal terminates or repeats. Use bar notation for repeating decimals.

$$5 \div 12$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.194 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$8.4 \div 0.7$$

Problem 2.197 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$0.728 \div 0.8$$

Problem 2.195 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$54.6 \div 0.06$$

Problem 2.198 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$12.42 \div 1.8$$

Problem 2.196 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$3.375 \div 0.15$$

Problem 2.199 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$6.006 \div 0.09$$

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.200 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$0.936 \div 0.24$$

Problem 2.202 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$2.52 \div 0.007$$

Problem 2.201 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Rewrite each expression as an equivalent division problem with a whole-number divisor. Then find the quotient.

$$45.5 \div 3.5$$

Problem 2.203 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

Five friends equally share a restaurant bill of \$86.75. How much should each friend pay?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.204 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

Ribbon is sold in pieces that are each 0.75 meter long. How many pieces can be cut from 12.6 meters of ribbon?

Problem 2.205 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

A car travels 268.8 miles using 8.4 gallons of gasoline. How many miles does the car travel per gallon?

Problem 2.206 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

A 7.2-kilogram bag of rice is divided equally among 16 families. How many kilograms of rice does each family receive?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.207 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

Jordan paid \$31.68 for 4.8 pounds of fruit. What was the cost per pound?

Problem 2.208 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Write a division equation and explain what the quotient represents.

Seven people split the cost of a cabin rental equally. The total cost is \$493.50. How much should each person pay? Round to the nearest cent.

Problem 2.209 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

A music player costs \$48.75, and a protective case costs \$13.99. What is the total cost?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.210 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

A water tank held 36.5 gallons. After some water was used, 19.875 gallons remained. How many gallons were used?

Problem 2.211 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

A runner completes 14 laps. Each lap is 0.625 mile long. How many miles does the runner travel?

Problem 2.212 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

A teacher has 18.9 meters of bulletin-board border. Each bulletin board requires 2.7 meters. How many bulletin boards can be decorated?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.213 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

Movie tickets cost \$11.25 each. How much will 6 tickets cost?

Problem 2.214 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Choose the correct operation. Write an equation and answer using the correct units.

A machine fills 3.75 bottles each minute. How many bottles will it fill in 24 minutes?

Problem 2.215 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

Olivia has \$100.00. She buys a backpack for \$34.95, a notebook for \$6.78, and three pens costing \$2.45 each. How much money does she have left?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.216 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A rectangular playground is 18.75 meters long and 12.4 meters wide. A fence will be placed around the entire playground. If fencing costs \$9.80 per meter, what will the fencing cost?

Problem 2.217 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A cafe begins the day with 18.5 gallons of lemonade. It sells 6.75 gallons before lunch and 4.825 gallons after lunch. The remaining lemonade is poured equally into 5 containers. How many gallons are placed in each container?

Problem 2.218 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A family drives 146.8 miles on Friday and 218.45 miles on Saturday. Their car travels 32.5 miles per gallon. How many gallons of gasoline did the family use during the two days?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.219 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A school buys 24 boxes of pencils. Each box contains 12 pencils and costs \$3.75. What is the total cost of the pencils, and what is the cost per pencil?

Problem 2.220 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A swimming pool contains 4,250.5 gallons of water. Water enters the pool at a rate of 18.75 gallons per minute for 36 minutes. Then 125.8 gallons are drained. How many gallons of water are now in the pool?

Problem 2.221 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

Maya earns \$12.75 per hour. She works 6.5 hours on Saturday and 4.75 hours on Sunday. She spends \$38.90 of her earnings. How much money does she have left?

2.12 Unit Review

Unit 2: Decimal Operations

Problem 2.222 Directions:

The problems in this review are organized by topic. Show all work, label answers with units when needed, and use estimation or an inverse operation to check your results.

Use the KNOWS strategy. Write a plan before solving and label each step.

A club orders 15 pizzas for \$12.80 each and 9 trays of sandwiches for \$18.45 each. The total cost is divided equally among 24 club members. How much should each member pay? Round to the nearest cent.