# Chapter 16

## Vocabulary

- Frantically
- Lopsided
- Extraordinary
- Immense
- Vast
- Impudence
- Enclosure

## Questions

1. Why was the mayor so upset about the "spreading of vicious rumors"?
2. Describe the appearance of the mayor.
3. What happened when the lights went out?
4. Name the three songs sang on the Singing day.
5. How do these songs summarize the whole book?
6. What did Lina see in the middle of the darkness while the lights were out?
7. On page 225 Lina "has a plan". What do you think her plan is?

# Chapter 17

## Vocabulary

- Wryly -
- Fending -
- Hostile -
- Designed -
- Adventure -
- Heaved -
- Plump -

## Questions

1. What were Doon's two choices if Lina didn't show up?
2. When Lina arrives what does she have with her?
3. How is bringing along a baby going to be an extra challenge for her?
4. How does Lina get Poppy down the ladder?
5. What did Lina think the paddles on the boat were for?
6. How did Doon and Lina use teamwork to figure out how to launch the boat?
7. What did it feel like when they got into the boat?

# Chapter 18

## Vocabulary

- Enormous -
- Shuddered -
- Thrashing -
- Shallow -
- Current -
- Boulder -
- Retrieving -

## Questions

1. How were the travelers feeling as they took off in the boat
2. What were they able to see as they started their adventure?
3. What did Doon and Lina find was next as the boat hit shallow water?
4. What did Poppy find and start chewing on?
5. Why do you think they decide to read the book later?
6. What did Lina tell Mrs. Murdo before she left?
7. What does Lina find in her pocket?
8. Why is this important?

# Chapter 19

## Vocabulary

- Splotches -
- Trill -
- Cluster -
- Astonishing -
- Exhausted -
- Fragile -
- Crimson -

## Questions

1. How long did the sign say they would have to climb?
2. What did they find when they got to the end of the tunnel?
3. What were the hundreds of tiny flecks of light in the sky that they saw?
4. What other things are they experiencing that they had never seen, heard, or felt before?
5. They don't see any civilization when they get above ground. What are some of their worries?
6. What do you think they are feeling about all these new experiences?
7. They were so excited about the environment around them what did they forget to look at?

# Chapter 20

## Vocabulary

- Ensure -
- Disaster -
- Chasm -
- Creature -
- Clearing -
- Gorgeous -
- Overlapping -

## Questions

1. Who is writing this journal writing?
2. The author of the journal is packing up but is not allowed to bring what with them?
3. The City of Ember was a plan to save humankind from what?
4. How many people were joining in this plan? How many men and how many women?
5. What do Lina and Doon learn from this book?
6. What do you think the fruit is they found and are eating?
7. How did Lina and Doon get their message back to the city of Ember?
8. Who will find the message?
9. Predict what you think will happen when she finds the message.

# Solve Multi-Step Problems Involving Money

Name _____

## Review

Kam buys 2.4 pounds of broccoli from Veggie Mart for $4.68. Shin buys 2 pounds of broccoli from Corner Grocery for $4.10. Who gets the better deal per pound?

Divide the cost by the number of pounds.

| Kam: $4.68 ÷ 2.4 | Shin: $4.10 ÷ 2 |
|---|---|
| Multiply both terms by 100 to get 468 ÷ 240. | Multiply both terms by 100 to get 410 ÷ 200. |
| 1.95<br>240)468.00<br>−240<br>2280<br>−2160<br>1200<br>−1200<br>0 | 2.05<br>200)410.00<br>−400<br>0100<br>− 0<br>1000<br>−1000<br>0 |

Add a 0 to continue dividing.

Kam gets the better deal per pound because $1.95 is less than $2.05.

**Solve each problem.**

1. Sonia and her friends order pizza. The total comes to $35.75. They leave an $8 tip and split the total 7 ways. How much does each friend pay?

2. Ging's cell phone bill will be $214.22 for the next year. The company says they will give her a discount of $26.42. How much will Ging pay each month after the discount?

# Solve Multi-Step Problems Involving Money

Name _____

**Solve and explain each problem.**

1. A group of friends go out for dinner. They leave a $20 tip on a bill that comes to $184.84. If each friend pays $22.76, how many friends are there? Explain how you know.

2. The same number of friends go to a different restaurant. This restaurant charges $28.50 per person. The restaurant adds a group tip of $42.57. How much will each friend pay for the whole meal?

3. A group of 7 friends goes out to eat one evening. Their bill comes to $123.20. Matthew's food was more expensive, so he pays $27.92. The rest of the group evenly splits the cost. How much does each other friend pay?

4. Tommy has never been out to dinner with friends before. He isn't sure how the amount each person owes is decided. How can you explain the process?

# Divide Decimals by Decimals

Name _____

## Review

You can use place value to divide.

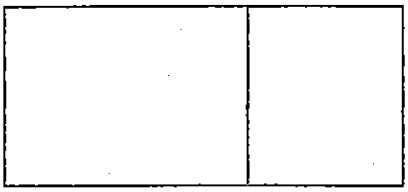
$9.75 \div 0.25$

| | |
|---|---|
| **First**, multiply by 10 or 100. | $9.75 \div 0.25$<br>$(9.75 \times \mathbf{100}) \div (0.25 \times \mathbf{100})$<br>$975 \div 25$ |
| **Next,** use an area model and partial quotients strategy to find the quotient. | 30 \| 9<br>25 \| 975 $-750$ 225 \| 225 $-225$ 0 |

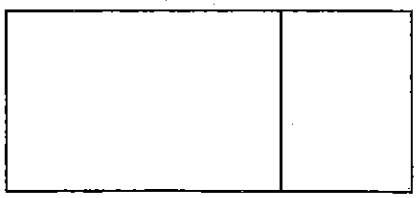
$9.75 \div 0.25 = 39$

**Rewrite the equation using multiplication of 10 or 100. Then, use partial quotients to solve.**

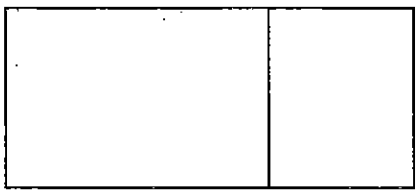
**1.** $5.4 \div 0.36 =$ _____



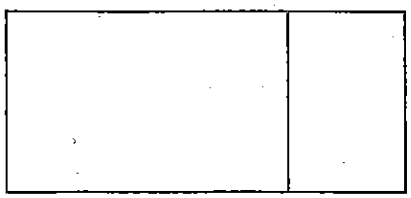
**2.** $14.11 \div 0.17 =$ _____



**3.** $52.2 \div 1.8 =$ _____



**4.** $12.48 \div 0.24 =$ _____



# Divide Decimals by Decimals

Name _____

**Fill in the blanks for the area models, partial quotients, and equations.**

**1.** _____ ÷ 0.24 = 27

648 ÷ _____ = 27

| | | 7 |
|---|---|---|
| — | — | 168 |
| | – | –168 |
| | 168 | 0 |

**2.** 36.05 ÷ _____ = _____

_____ ÷ 35 = _____

| | | 3 |
|---|---|---|
| — | 3,605 | 105 |
| | – | –105 |
| | — | 0 |

**3.** _____ ÷ 2.6 = _____

_____ ÷ 26 = _____

| | | | |
|---|---|---|---|
| | — | — | |
| 26 | –780 | | 208 |
| | — | | –208 |
| | | | 0 |

**4.** 7.2 ÷ _____ = _____

720 ÷ _____ = _____

| | 10 | 6 |
|---|---|---|
| | — | 270 |
| 45 | – | –270 |
| | — | 0 |

# States of Matter

Name:_____

Fill in the blank using the word bank below.

**solid liquid gas melt boil freeze condensation heat**

1. _____ is a state of matter where the molecules are far apart and move around freely.

2. To make matter change states, you add or take away _____.

3. When you add heat to a solid it will _____ into a liquid.

4. _____ is a state of matter where the molecules are tightly packed together and do not move.

5. When you take away heat from a liquid it will _____ into a solid.

6. _____ is a state of matter where the molecules move around a little bit, and it takes the shape of its container.

7. When you add heat to a liquid it will _____ into a gas.

**Extra Credit**

When you take away heat from a gas, it will make liquid _____.

---

8. Give an example of a solid. _____

9. Give an example of a liquid. _____

10. Give an example of a solid that will melt if you leave it in the sun.

_____

# Super-Journal Week 2:9

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below *every day* by recording the required data.

| Day | Title | Start Pg. | End Pg. | Parent Sign. |
|---|---|---|---|---|
| Monday | | | | |
| Tuesday | | | | |
| Wednesday | | | | |
| Thursday | | | | |
| Friday | | | | |
| Saturday | | | | |
| Sunday | | | | |

On the right-side page of your Super-Journal, answer one of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday).

## FICTION

1. You will be making 10 whole page illustrations based off of 5 separate quotes from your reading. Each illustration should take an entire page. Make sure that you write the quote, and the page number you got your quote from at the bottom of each illustration.

## NONFICTION

1. What is this text about?
2. Summarize the main ideas in 5 sentences.

RL.3.7/RI.1.2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RL.3.7/RI.1.2

# Divide Decimals by Whole Numbers

Name _____

## Review

You can use place-value understanding and equivalent representations to divide a decimal by a whole number.

$1.82 \div 7 = 182$ hundredths $\div 7$

$= 26$ hundredths

$= 0.26$

$1.82 \div 7 = 0.26$

**Write equivalent representations for the equations and then solve.**

**1.** $0.65 \div 13 =$ _____

**2.** $5.1 \div 3 =$ _____

**3.** $1.44 \div 9 =$ _____

**4.** $6.4 \div 8 =$ _____

**5.** $0.96 \div 8 =$ _____

**6.** $4.02 \div 2 =$ _____

**7.** $3.15 \div 3 =$ _____

**8.** $34.2 \div 6 =$ _____

# Divide Decimals by Whole Numbers

Name _____

**Sort the equivalent representations based on the solutions. Show your work. The first one has been done for you.**

| Expression | Work and Solution |
|---|---|
| **A.** 0.72 ÷ 2 | *72 hundredths ÷ 2 = 36 hundredths, or 0.36* |
| **B.** 3.84 ÷ 12 | |
| **C.** 19.52 ÷ 122 | |
| **D.** 37.5 ÷ 15 | |
| **E.** 1.44 ÷ 9 | |
| **F.** 22.4 ÷ 14 | |
| **G.** 2.56 ÷ 8 | |
| **H.** 1.08 ÷ 3 | |
| **I.** 57.5 ÷ 23 | |
| **J.** 2.75 ÷ 11 | |
| **K.** 4.75 ÷ 19 | |
| **L.** 57.6 ÷ 36 | |

| | | |
|---|---|---|
| The solution is 0.16. | The solution is 0.25. | The solution is 0.32. |
| The solution is 0.36.<br>A | The solution is 1.6. | The solution is 2.5. |

# Divide Whole Numbers by Decimals

Name _____

## Review

You can use place value to help you find quotients when dividing whole numbers by decimals.

$45 \div 0.75 = (45 \times 100) \div (0.75 \times 100)$

$= 4{,}500 \div 75$

$= 60$

$45 \div 0.75 = 60$

**Use place value to help you solve to find the quotient. Show your work.**

**1.** $8 \div 0.4 =$ _____

**2.** $54 \div 0.9 =$ _____

**3.** $6 \div 0.25 =$ _____

**4.** $30 \div 0.15 =$ _____

**5.** $100 \div 2.5 =$ _____

**6.** $78 \div 6.5 =$ _____

**7.** $81 \div 2.7 =$ _____

**8.** $36 \div 0.45 =$ _____

Lesson **8-5 • Extend Thinking**

# Divide Whole Numbers by Decimals

Name _____

**Find Quotient A and B. Show your work. Then determine the comparison (<, =, or >) between A and B. The first one is done for you as an example.**

| | Quotient A | <, =, or > | Quotient B |
|---|---|---|---|
| **1.** | 24 ÷ 0.8<br>*240 ÷ 8*<br>*30* | < | 16 ÷ 0.5<br>*160 ÷ 5*<br>*32* |
| **2.** | 18 ÷ 0.15 | | 36 ÷ 2.25 |
| **3.** | 60 ÷ 7.5 | | 28 ÷ 3.5 |
| **4.** | 6 ÷ 0.25 | | 21 ÷ 0.75 |
| **5.** | 24 ÷ 0.6 | | 12 ÷ 0.40 |
| **6.** | 66 ÷ 2.2 | | 18 ÷ 0.2 |
| **7.** | 35 ÷ 0.07 | | 30 ÷ 0.06 |