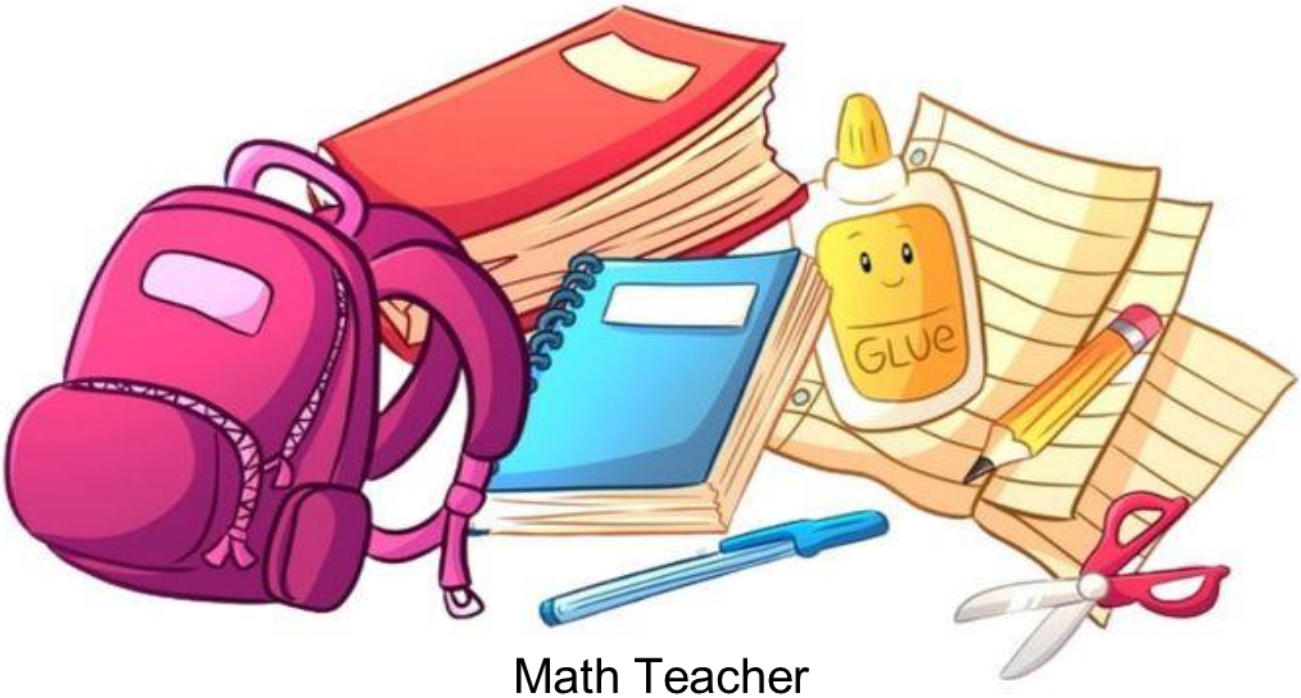
الإمارات العربية المتحدة
وزارة التربية والتعليم

Al Huiteen school
Al Dhafra

5th Grade

EOT1-2025-COVERAGE

Mathematics



Math Teacher
. Alaa Elatawy

Academic Year العام الدراسي	2024/2025
Term الفصل	1
Subject المادة	Mathematics/Reveal الرياضيات/ريفيل
Grade الصف	5
Stream المسار	General العام
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	4

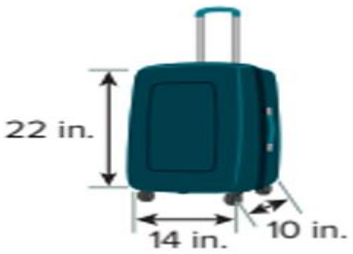
Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	(6-13)
Type of All Questions نوع كافة الأسئلة	MCQ/ الأسئلة الموضوعية FRQ/ الأسئلة المقالية
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation -ريقة التطبيق	Paper-Based
Calculator	Not Allowed
الآلة الحاسبة	غير مسموحة

*	Questions might appear in a different order in the actual exam, or on the exam paper.
*	قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي، أو على ورقة الامتحان .
**	As it appears in the textbook,and LMS.
**	كما وردت في كتاب الطالب وLMS .

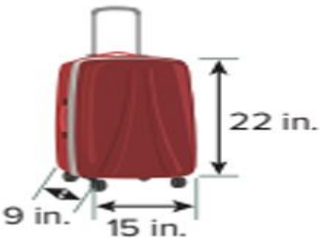
Part1	Type of Questions	FQR	Marks per each Question	6-13 marks
1	Solve Problems Involving Volume	(1-4)		Page:53

1. Lillian wants to buy the suitcase with the greater volume. Which suitcase should she buy? Explain.

Suitcase A



Suitcase B



2. A cargo container has a volume of 108 cubic meters, a height of 3 meters, and a width of 2 meters. How long is the cargo container? Show your work.

3. The volume of this rabbit hutch is 36 cubic feet.
What is the width? Show your work.

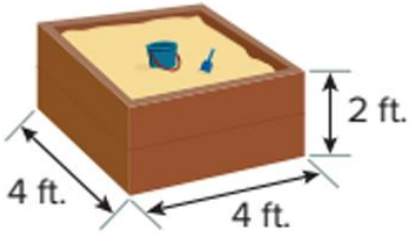


4. The base of a rectangular prism is a square with side lengths equal to 5 centimeters. The volume of the rectangular prism is 100 cubic centimeters. What is the prism's height? Explain.

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1	Solve Problems Involving Volume	(5-8)	Page:54

5. Error Analysis Desmond said that the volume of the sandbox is 10 cubic feet. Do you agree with Desmond's solution? Explain your thinking.



6. Lisa is building a rectangular planter that is 2 feet wide, 4 feet long, and 1 foot high. She has 3 cubic feet of soil. How much more soil does she need to fill the planter? Explain.

7. The aquarium tank has a volume of 320 cubic meters. What is the width of the tank? Show your work.



8. Extend Your Thinking Rachel is helping build a rectangular sandbox with a volume of 60 cubic feet and a height of 3 feet. What are the possible lengths and widths of the sandbox?

2	a) Read and Write Decimals	Learn	Page:72

Learn

How can you read the mass of the strawberries?



You can use a place-value chart to help you identify the value of each digit.

Decimal numbers can be written in expanded form.

tens	ones	tenths	hundredths	thousandths
3	4	6	1	8

$30 + 4 + 0.6 + 0.01 + 0.008$

$30 + 4 + \frac{6}{10} + \frac{1}{100} + \frac{8}{1{,}000}$

Standard form uses digits and a decimal point.

34.618

The word form helps you read decimal numbers.

tens	ones	tenths	hundredths	thousandths
3	4	6	1	8

thirty-four and six hundred eighteen thousandths

Math is... Precision

Why is it important to include *and* when reading a decimal number?

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2	a) Read and Write Decimals	(1-12)	Page:73

What is the word form of the decimal?

1. 8.2

2. 8.02

3. 0.82

4. 0.082

What is the standard form of the decimal?

5. $0.9 + 0.03 + 0.007$

6. $20 + 0.7 + 0.08 + 0.006$

7. $5 + 0.01 + 0.009$

8. $7 + \frac{4}{10} + \frac{5}{1{,}000}$

What is the standard form of the decimal?

5. $0.9 + 0.03 + 0.007$

6. $20 + 0.7 + 0.08 + 0.006$

7. $5 + 0.01 + 0.009$

8. $7 + \frac{4}{10} + \frac{5}{1{,}000}$

What is each decimal in standard form?
What is each decimal in expanded form?

9. ninety-three and six thousandths

10. three and eight hundred forty-six thousandths

11. two hundred twelve and fifteen thousandths

12. seven hundred fifty-one thousandths

2	b) Compare Decimals	(1-9)	Page:77

Write >, <, or = in each ◯ to make a true comparison. You can use a place-value chart to help.

1. 7.790 ◯ 8.7

2. 1.021 ◯ 1.095

3. 6.55 ◯ 5.66

4. 9.9 ◯ 0.99

5. 3.41 ◯ 3.41

6. 2.563 ◯ 2.573

For exercises 7–9, use the cost of each school supply.



7. Do the pencils or the highlighters cost more?

8. Write a comparison statement for the cost of the pens and the pencils.

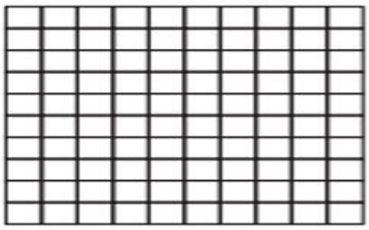
9. Which school supply is the most expensive? Which school supply is the least expensive? Explain how you know.

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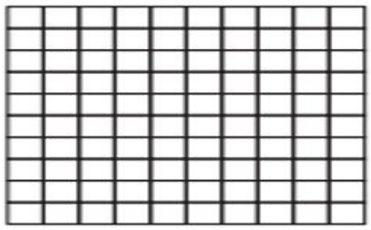
3	Represent Subtraction of Tenths and Hundredths	(1-8)	Page:117

What is the difference? Use the decimal grids to solve.

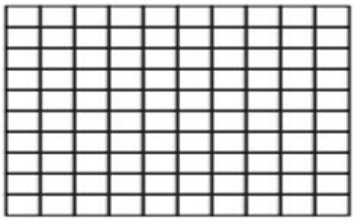
1. 0.54 − 0.1 = _____

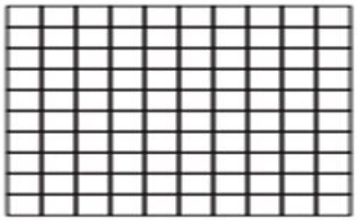


2. 0.9 − 0.02 = _____

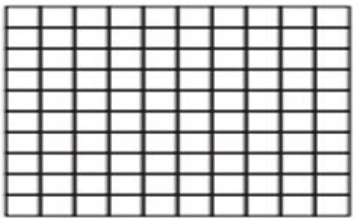


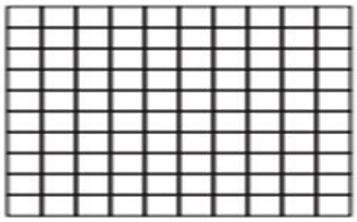
3. 1.07 − 0.3 = _____





4. 1.28 − 0.7 = _____





What is the difference? Use decimal grids to solve.

5. 2.3 − 0.27 = _____

6. 2.7 − 1.68 = _____

7. 1.74 − 0.8 = _____

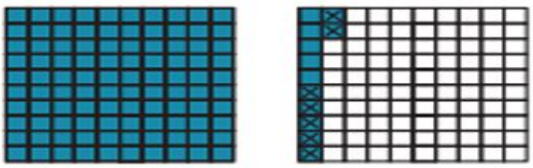
8. 2.25 − 1.8 = _____



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3	Represent Subtraction of Tenths and Hundredths	11	Page:129

11. Benny used a decimal grid to solve 1.12 − 0.7.



Which statement can help Benny correct his work? (Lesson 4-6)

A. He should start with a number less than 1.12.

B. He should count back by more.

C. He should start with a number greater than 1.12.

D. He should count back by fewer.

4	Use Partial Products to Multiply Multi-Digit Factors	(1-8)	Page:153

Find the unknown partial products. Then find the product.

1.

$$\begin{array}{r} 325 \\ \times \quad 73 \\ \hline 21{,}000 \\ 1{,}400 \\ 350 \\ \square \\ \square \\ + \quad \square \\ \hline \square \end{array}$$

2.

$$\begin{array}{r} 104 \\ \times \quad 28 \\ \hline 32 \\ 800 \\ \square \\ + \quad \square \\ \hline \square \end{array}$$

What is the product? Use partial products to solve.

3.
$$\begin{array}{r} 17 \\ \times\ 86 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 24 \\ \times\ 129 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 36 \\ \times\ 93 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 222 \\ \times\ 58 \\ \hline \end{array}$$

7. A sporting goods store sold 24 mountain bikes. How much money did they make selling bikes?



8. The store also sold 12 mountain bike and scooter packages each for $367. How much money did they make?

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4	Use Partial Products to Multiply Multi-Digit Factors	11	Page:166

11. Complete the partial products to find 328 × 14. (Lesson 5-5)

$$\begin{array}{rl} 328 & \\ \times\ 14 & \\ \hline 3{,}000 & \leftarrow 10 \times 300 \\ \square & \leftarrow 10 \times 20 \\ \square & \leftarrow 10 \times 8 \\ 1{,}200 & \leftarrow 4 \times 300 \\ 80 & \leftarrow 4 \times 20 \\ \square & \leftarrow 4 \times 8 \end{array}$$

$328 \times 14 =$ _____



5	a) Patterns When Multiplying Decimals by Powers of 10	(1-7)	Page:175

Write the multiplication expression using factors of 10. Then, find the value.

1. 3.6×10^2

2. 7.2×10^3

3. 4.8×10^4

4. 1.9×10^2

5. Ashley rides the train to visit her grandmother. She lives 1.2×10^2 miles away from her grandmother. How many miles does she travel?

6. Juan walks 4.7×10^3 meters from his house to the museum. Mary walks 9.3×10^2 meters from her house to the museum. Who walks farther, Juan or Mary? How do you know?

7. **Error Analysis** Sasha multiplied the decimals as shown. How can you help Sasha understand the patterns in multiplying decimals by powers of 10?

$3.5 \times 10^2 = 3{,}500$
$3.5 \times 10^3 = 35{,}000$
$3.5 \times 10^4 = 350{,}000$

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5	b) Generalizations About Multiplying Decimals	(1-11)	Page:193

Complete each sentence.

1. 3.8 is _____ of 38.

   So, 3.8×25 is _____ of the product 38×25.

2. 0.45 is _____ of 45.

   So, 0.45×16 is _____ of the product 45×16.

3. 7.8 is _____ of 78 and 9.2 is _____ of 92.

   So, 7.8×9.2 is _____ of the product 78×92.

What is the product? Use patterns to solve.

4. $45 \times 17 = 765$
   $45 \times 1.7 =$ _____
   $45 \times 0.17 =$ _____

5. $32 \times 14 =$ _____
   $32 \times 1.4 = 44.8$
   $3.2 \times 1.4 =$ _____

6. $16 \times 89 = 1{,}424$
   $16 \times 8.9 =$ _____
   $16 \times 0.89 =$ _____

7. $61 \times 22 =$ _____
   $6.1 \times 22 = 134.2$
   $6.1 \times 2.2 =$ _____

8. $96 \times 55 =$ _____
   $96 \times 5.5 =$ _____
   $9.6 \times 5.5 = 52.8$

9. $19 \times 42 =$ _____
   $1.9 \times 42 = 79.8$
   $1.9 \times 4.2 =$ _____

10. $67 \times 34 =$ _____
$67 \times 3.4 =$ _____
$6.7 \times 3.4 =$ _____

11. $82 \times 67 =$ _____
$82 \times 6.7 =$ _____
$8.2 \times 6.7 =$ _____

5	b) Generalizations About Multiplying Decimals	7	Page:200

7. Find the missing products.
(Lesson 6-5)

$23 \times 89 =$ _____
$23 \times 8.9 = 204.7$
$2.3 \times 8.9 =$ _____

5	c) Relate Multiplication and Division of Multi-Digit Numbers	(1-10)	Page:217

1. How many groups of 23 can you make from 184?

2. How many groups of 14 can you make from 700?

3. How many groups of 12 can you make from 192?

4. How many groups of 18 can you make from 720?

Solve for the unknown.

5. $396 \div 12 = n$
$n \times 12 = 396$

6. $448 \div 16 = s$
$s \times 16 = 448$

7. $312 \div 52 = m$
$m \times 52 = 312$

8. $533 \div 41 = a$
$a \times 41 = 533$

9. The fifth-grade class is setting up for a performance. They need to set up enough chairs for 280 people. The chairs are set up in rows of 35. How many rows will they have?

10. Merrick wants to organize his trading cards into a binder. He can fit 18 cards in each plastic sheet in the binder. He has 1,440 cards. How many plastic sheets will he need?



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5	c) Relate Multiplication and Division of Multi-Digit Numbers	7	Page:238

7. Write a multiplication equation you could use to solve 480 ÷ 12. What is the solution?

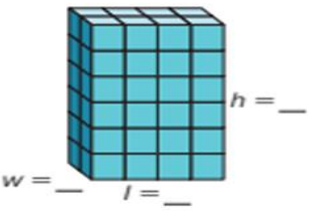
(Lesson 7-3)

Part2	Type of Questions	FQR	Marks per each Question	4 marks

6	Use Formulas to Determine Volume	(1-7)	Page:43

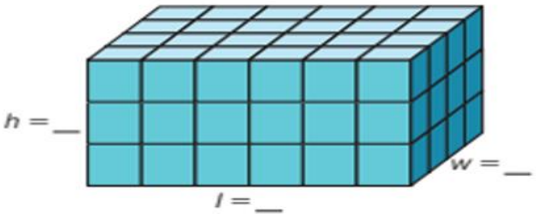
Label the dimensions and then determine the volume of the figure.

1.



$V =$ _____ cubic units

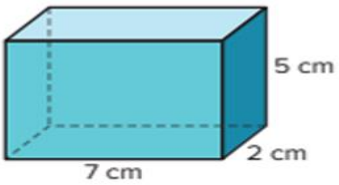
2.



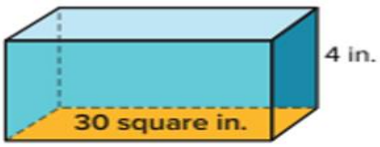
$V =$ _____ cubic units

What is the volume of the figure? Tell which volume formula you used and why.

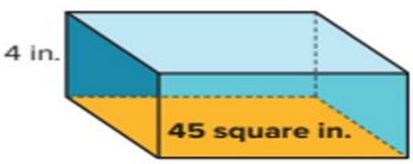
3.



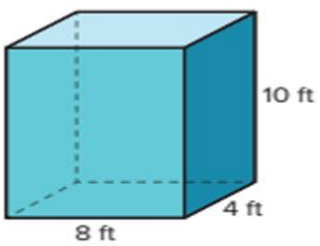
4.



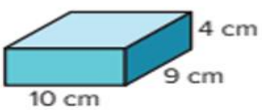
5.



6.



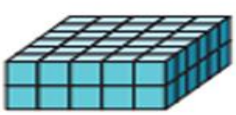
7. Explain how the Associative Property can be used to mentally find the volume of this figure.



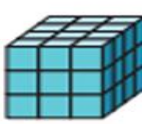
6	Use Formulas to Determine Volume	7	Page:56

7. Which rectangular prisms have a volume of 36 cubic units? Select all that apply. (Lesson 2–3)

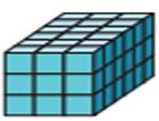
A.



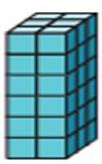
B.



C.



D.



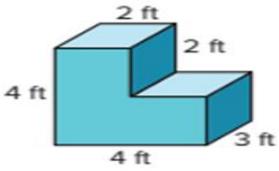
E.



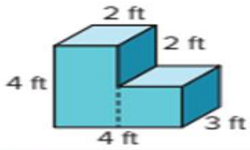
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Learn

How can you determine the volume of this figure?



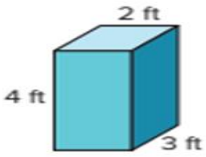
Look for a way to make two rectangular prisms.



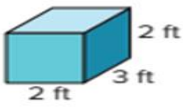
Math is... Connections

Why should the volume be the same whichever way you decompose a composite figure?

Determine the volume of each rectangular prism.



$V = 2 \times 3 \times 4$
$V = 24$ cubic ft

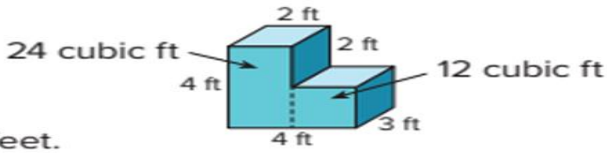


$V = 2 \times 3 \times 2$
$V = 12$ cubic ft

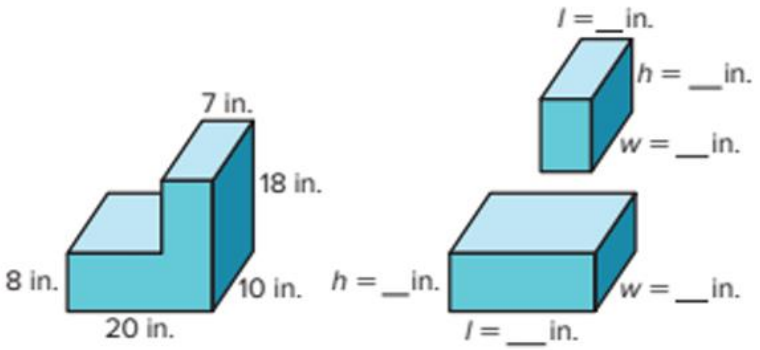
Add the volumes.

$24 + 12 = 36$

The volume of the figure is 36 cubic feet.

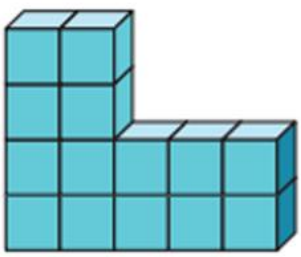


1. Label the unknown dimensions of the decomposed figure and then find the volume of the composite solid figure.



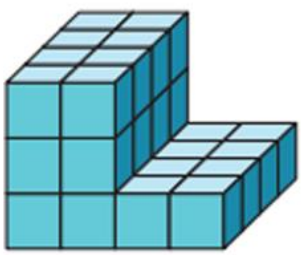
What is the volume of the figure?

2.



$V =$ _____ cubic units

3.

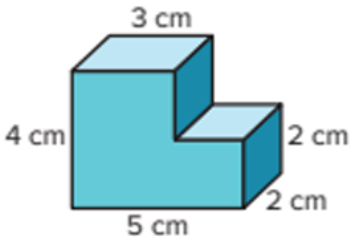


$V =$ _____ cubic units

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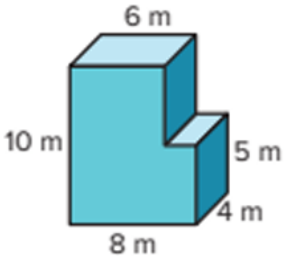
Draw line(s) to show how you decomposed the figure.
What is the volume of the figure?

4.



$V =$ _____

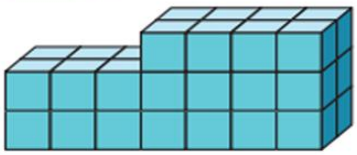
5.



$V =$ _____

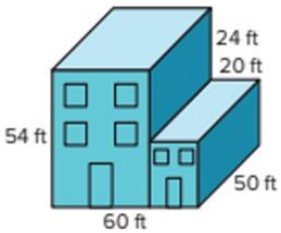
7	Determine the Volume of Composite Figures	12,13	Page:57

12. What is the volume of this figure? (Lesson 2–4)



A. 32 cubic units
B. 38 cubic units
C. 34 cubic units
D. 36 cubic units

13. The figure shows the plans for a warehouse.



What will be the volume of the warehouse? (Lesson 2–4)

A. 72,000 cubic feet
B. 210,000 cubic feet
C. 138,000 cubic feet
D. 162,000 cubic feet

8	Extend Place Value to Decimals	(1-8)	Page:69

1. Which of the following statements is *true*?
A. 0.009 is ten times 0.09
B. 0.09 is ten times 0.009
C. 0.09 is $\frac{1}{10}$ of 0.009
D. 9 is $\frac{1}{10}$ of 0.9

2. Which of the following statements is *true*?
A. 0.003 is $\frac{1}{10}$ of 0.03
B. 0.03 is $\frac{1}{10}$ of 0.003
C. 0.3 is ten times 0.003
D. 3 is ten times 0.03

Marcella has $5.00, Niko has $0.50, and Benjamin has $0.05. Use this information to complete each sentence.

3. Benjamin has _____ the money Niko has.
4. Marcella has _____ the money Niko has.

Complete each sentence.

5. $9.00 is _____ $0.90.
6. $0.90 is _____ $9.00.

7. What are two different ways to describe the relationship between the values of each digit 4 in 3.244?

8. What are two different ways to describe the relationship between the values of each digit 2 in 2.257?

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8	Extend Place Value to Decimals	(9-12)	Page:70

9. Error Analysis Toby writes the number 23.2 and says that the value of the digit 2 in the tens place is 10 times the value of the digit 2 in the tenths place. How do you respond to him?

10. For which numbers is the value of the digit 8 ten times the value of the digit 8 in the number 4.984?

A. 3.814 **B.** 5.820
C. 6.982 **D.** 8.492

11. STEM Connection The world's biggest submarine can sail at a speed of about 25.5 miles per hour on the surface. How can you describe the relationship between 5 and 0.5?



12. Extend Your Thinking Using only the digits 1, 4, and 5, write a number so that the value of the digit 5 is ten times the value of the digit 5 in the number 1.45. Write another number so that the value of the digit 4 is $\frac{1}{10}$ the value of the digit 4 in 1.45.

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9	Use Place Value to Round Decimals	(1-10)	Page:83

What is each decimal rounded to the nearest whole number?
You can use a number line or place value.

1. 78.39 **2.** 4.07

3. 12.7 **4.** 15.55

What is each decimal rounded to the nearest tenth?
You can use a number line or place value.

5. 42.89 **6.** 3.65

7. 16.12 **8.** 98.17

9. Danica rounded a number to the nearest tenth to get 14.7. What number could she have rounded to get this answer?

10. Which statements are *true*?

A. The decimal 43.678 rounded to the nearest tenth is 43.6.

B. The decimal 43.678 rounded to the nearest tenth is 43.7.

C. The decimal 43.678 rounded to the nearest hundredth is 43.68.

D. The decimal 43.678 rounded to the nearest hundredth is 43.67.

9	Use Place Value to Round Decimals	10,11	Page:86

10. Complete each sentence. (Lesson 3-5)

0.737 rounded to the nearest hundredth is _____.

0.737 rounded to the nearest tenth is _____.

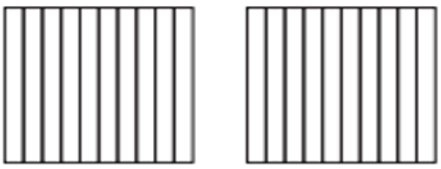
11. Do the numbers round to 8.1 when rounded to the nearest tenth? Choose *yes* or *no*. (Lesson 3-5)

	Yes	No
7.99		
8.162		
8.074		
8.13		
8.012		

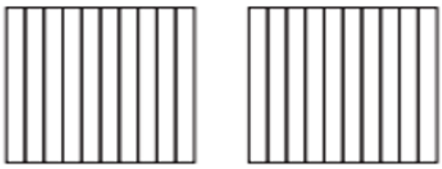
10	Represent Addition of Decimals	(1-10)	Page:101

What is the sum? Use the decimal grids.

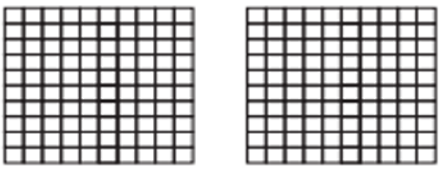
1. 0.7 + 0.1 = _____



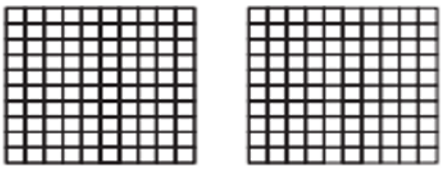
2. 0.5 + 0.8 = _____



3. 0.02 + 0.09 = _____



4. 0.78 + 0.64 = _____



What is the sum? Use decimal grids to show the sum.

5. 0.2 + 0.7 = _____

6. 0.5 + 0.6 = _____

7. 0.08 + 0.06 = _____

8. 0.79 + 0.84 = _____

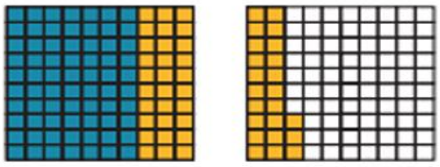
9. 0.32 + 0.88 = _____

10. 0.46 + 0.29 = _____

T. Alaa Elatawy

10	Represent Addition of Decimals	7	Page:128

7. Look at the decimal grids.



Complete the addition equation that is represented by the decimal grids. (Lesson 4-2)

0.7 + _____ = _____

11	Strategies to Add Decimals	(1-6)	Page:109

What is the sum? Use partial sums to solve.

1. 2.57 + 8.4
= 2 + 0.5 + 0.07 + 8 + 0.4
= _____

2. 6.9 + 0.31
= 6 + 0.9 + 0.3 + 0.01
= _____

3. 35.12 + 64.73 = _____

4. 70.34 + 21.52 = _____

5. 14.53 + 11.2 = _____

6. 104.75 + 21.9 = _____

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11	Strategies to Add Decimals	8	Page:128

8. Use partial sums to add. Show your work. (Lesson 4-4)

4.23 + 1.6 = _____

12	Represent Subtraction of Decimals	Learn	Page:112

Learn

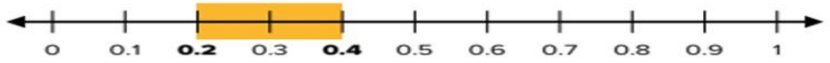
The table shows the decimals represented by different colors on a decimal grid.

How can you determine how much more is shaded red than green? Yellow than purple?

Color	Decimal
Red	0.4
Green	0.2
Yellow	0.36
Purple	0.04

Use a number line to find how much more is shaded red than green.

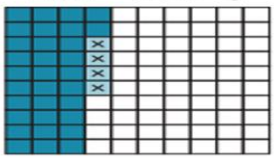
$0.4 - 0.2 = r$



There is 0.2 more shaded red than green.

Use a decimal grid to find how much more is shaded yellow than purple.

$0.36 - 0.04 = y$



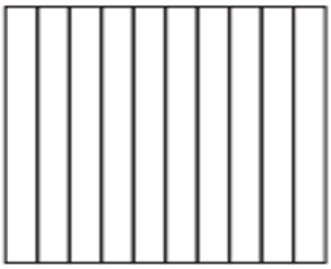
There is 0.32 more shaded yellow than purple.

Math is... Precision
How is each quantity shown on the decimal grid?

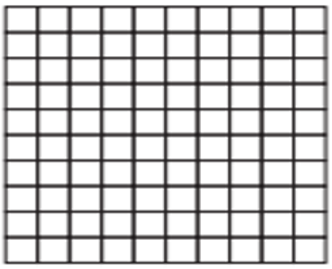
12	Represent Subtraction of Decimals	(1-7)	Page:113

What is the difference? Use the decimal grid to solve.

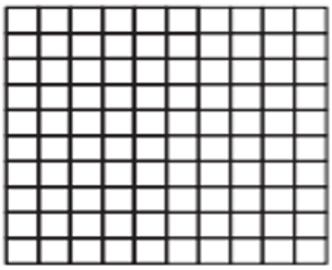
1. $0.7 - 0.1 =$ _____



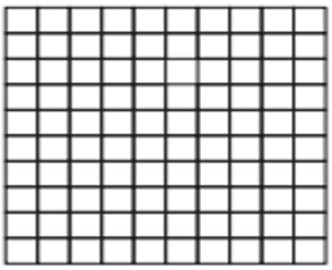
2. $0.09 - 0.02 =$ _____



3. $0.54 - 0.38 =$ _____



4. $0.25 - 0.11 =$ _____



What is the difference? Use a number line to solve.

5. $0.7 - 0.2 =$ _____

6. $0.6 - 0.4 =$ _____

7. Malik has \$0.85. He bought a pencil for \$0.50. Does he have enough money left to buy a folder for \$0.30? Explain.

T. Alaa Elatawy

13	Strategies to Subtract Decimals	(1-8)	Page:121

Decompose by place value to find the difference.

1. $8.57 - 2.4$

$8.57 - 2 =$ _____

_____ $- 0.4 =$ _____

$8.57 - 2.4 =$ _____

2. $7.73 - 5.1$

$7.73 - 5 =$ _____

_____ $- 0.1 =$ _____

$7.73 - 5.1 =$ _____

Count on to find the difference.

3. $6.31 - 0.9 =$ _____

4. $64.19 - 35.75 =$ _____

What is the difference? Show your work.

5. $36.33 - 32.29 =$ _____

6. $48.56 - 18.21 =$ _____

7. $17.10 - 6.02 =$ _____

8. $25.50 - 11.49 =$ _____

13	Strategies to Subtract Decimals	13	Page:129

13. Decompose by place value to subtract. Show your work.
(Lesson 4-7)

$5.70 - 2.08 =$ _____

14	Patterns When Multiplying a Whole Number by Powers of 10	(1-13)	Page:141

What is the product? Use patterns to solve.

1. $12 \times 10 =$ _____
   $12 \times 100 =$ _____
   $12 \times 1{,}000 =$ _____

2. $24 \times 1{,}000 =$ _____
   $24 \times 10{,}000 =$ _____
   $24 \times 100{,}000 =$ _____

3. $33 \times 10^2 =$ _____
   $33 \times 10^3 =$ _____
   $33 \times 10^4 =$ _____

4. $57 \times 10^4 =$ _____
   $57 \times 10^5 =$ _____
   $57 \times 10^6 =$ _____

What is the product?

5. 23×10^3

6. 581×10^2

7. 60×10^4

8. 103×10^2

What is the unknown factor?

9. $571 \times$ _____ $= 5{,}710$

10. $43 \times$ _____ $= 4{,}300{,}000$

11. $6 \times$ _____ $= 6{,}000$

12. $28 \times$ _____ $= 280{,}000$

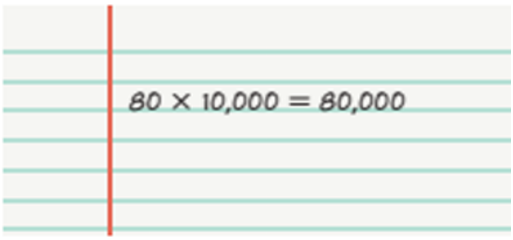
13. How can you describe the relationship between the equations shown?

$6 \times 10^5 = 600{,}000$
$6 \times 10^7 = 60{,}000{,}000$
$6 \times 10^9 = 6{,}000{,}000{,}000$

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14	Patterns When Multiplying a Whole Number by Powers of 10	(14-16)	Page:142

14. Error Analysis Carol says the equation that she wrote is correct. How do you respond to her?



15. Which equations are *true*? Circle all that apply.

A. $6 \times 100 = 6 \times 10 \times 10 \times 10$

B. $10{,}000 \times 4 = 10 \times 10 \times 10 \times 10 \times 4$

C. $15 \times 10^3 = 1{,}500$

D. $70 \times 10 \times 10 = 7{,}000$

16. Extend Your Thinking Find the unknown factor that is a whole number. Explain your thinking.

$$? \times 10^5 = 56{,}300{,}000$$

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15	Estimate Products of Multi-Digit Factors	(1-9)	Page:145

Estimate the product.

1. 643×18

2. 325×62

3. 438×27

4. 572×49

5. On a school trip, 54 students went to a museum. Each ticket cost $23. About how much did all students spend on tickets?

6. The town library has 478 shelves. Each shelf holds 38 books. About how many books does the library have?

7. A vendor at a fair is selling her paintings for $23 each. Over the course of the fair, 339 people purchase her paintings. About how much did the vendor earn over the course of the fair?

8. The fifth graders sold 405 baked goods at the bake sale. About how much did the fifth graders earn?



9. **Error Analysis** Han estimates that the product of 492 and 32 will be 1,200. How do you respond to Han?

15	Estimate Products of Multi-Digit Factors	(10-12)	Page:146

10. Which equation represents a reasonable estimate for 658 × 19? Explain.

A. 700 × 10 = 7,000

B. 650 × 20 = 13,000

C. 600 × 10 = 6,000

11. If you estimate the product of 246 × 38, will the estimate be greater using rounded numbers or compatible numbers? Why?

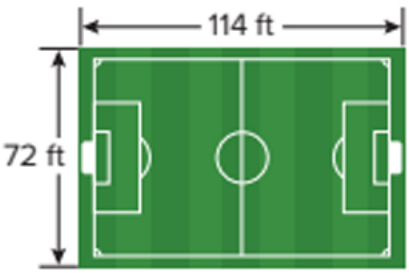
12. **Extend Your Thinking** A recycling club has a goal of collecting 8,000 plastic bottles. Each of the 26 students in the club collected 72 bottles a day for 5 days. About how many bottles did they collect at the end of 5 days? Did they meet their goal?

16	Use Area Models to Multiply Multi-Digit Factors	(Learn)	Page:148

Learn

How can you determine the area of the youth soccer field?

You can use an area model to solve 72 × 114 = A.



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16	Use Area Models to Multiply Multi-Digit Factors	(1-8)	Page:149

Complete the area model. Then solve to find the product.

1.

	100	+ 50	+ 4
30	3,000		
+ 6	600		

2.

	400	+ 20	+ 1
50	20,000		50
+ 2			

What is the product? Use area models to solve.

3. $15 \times 24 =$ _____

	24
15	

4. $28 \times 132 =$ _____

	132
28	

5. $33 \times 78 =$ _____

6. $72 \times 225 =$ _____

Write the multiplication equation based on the area model. Then solve to find the product.

7.

	200	+ 10	+ 8
20			
+ 8			

8.

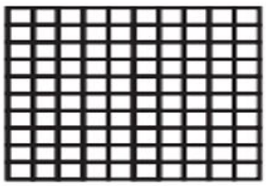
	400	+ 10	+ 6
60			
+ 3			

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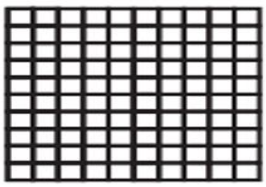
17	Represent Multiplication of Decimals	(1-4)	Page:183

Write an equation and use a decimal grid to help you solve.

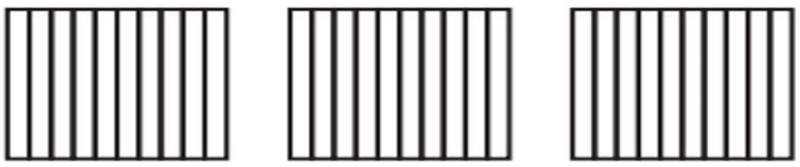
1. Laura pours 0.08 liter of milk into her tea each day. How much milk does Laura use in her tea in one week?



2. Jason buys 0.9 pound of cabbage. The grocery store charges $0.60 per pound. How much will Jason pay for the cabbage?



3. Tonya cuts 0.4 meter of ribbon for each gift she wraps. She wraps 6 gifts. How much ribbon does Tonya use?



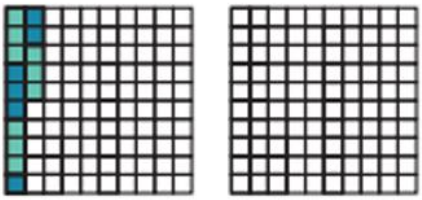
4. STEM Connection A rock has a mass of 2.4 kilograms. Maya estimates that the amount of granite in the rock is 0.3 of the full mass of the rock. How much granite is in the rock?



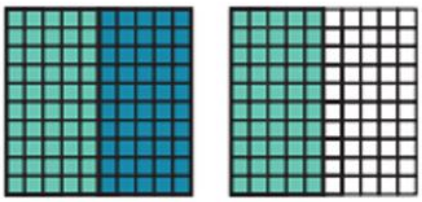
17	Represent Multiplication of Decimals	15	Page:201

15. David rides 0.3 miles each day to school. Which model shows how far he rides in 5 days? (Lesson 6-3)

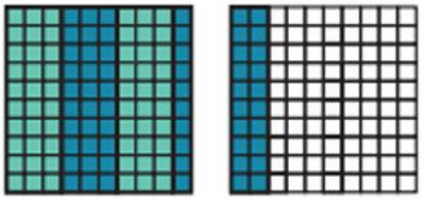
A.



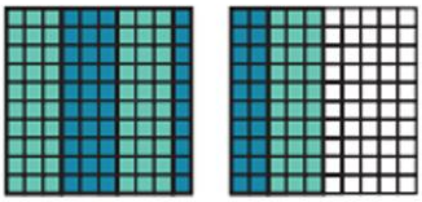
C.



B.



D.



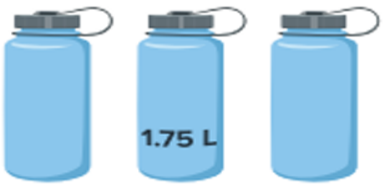
18	Explain Strategies to Multiply Decimals	(1-7)	Page:197

What is the product? Explain the strategy you used to solve.

1. $2.9 \times 0.7 = d$

2. $5.6 \times 3.2 = b$

3. Each bottle holds the same amount. How much water can these bottles hold?



4. Rebecca cut these ribbons to the same length. How much ribbon did Rebecca use in all?



5. Experts recommend that people have 4.7 grams of potassium per day. Last week Marcus averaged 0.9 times as much potassium as the recommendation. How much potassium did Marcus average each day last week?

6. A pitcher has a capacity of 3.9 liters. A cooler has a capacity 9.2 times greater. What is the capacity of the cooler?

Solve. Explain the strategy used to solve.

7. Kara has a bag of apples. Each apple weighs 0.4 pound on average. There are 17 apples in her bag. What is the total weight of her apples?

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18	Explain Strategies to Multiply Decimals	8,12	Page:200

8. Deshaun cuts 0.8 meter of tape for each part of his project. There are 7 parts to his project. How much tape does Deshaun use? (Lesson 6-6)

12. A recipe calls for 1.8 liters of milk. If the recipe needs to be tripled, how many liters of milk are needed? (Lesson 6-6)

19	Division Patterns with Multi-Digit Numbers	(1-10)	Page:209

Use a basic fact and patterns to solve.

1. $15 \div ____ = 5$

$150 \div 30 = ____$

$____ \div 30 = 50$

$15{,}000 \div ____ = ____$

2. $32 \div 8 = ____$

$____ \div 80 = ____$

$3{,}200 \div ____ = ____$

$____ \div ____ = ____$

3. $20{,}000 \div 40 = ____$

4. $15{,}000 \div 30 = ____$

5. $18{,}000 \div 60 = ____$

6. $16{,}000 \div 80 = ____$

7. $8{,}000 \div 40 = ____$

8. $25{,}000 \div 50 = ____$

9. $32{,}000 \div 80 = ____$

10. $9{,}000 \div 30 = ____$

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19	Division Patterns with Multi-Digit Numbers	6,12	Page:238

6. Which is the quotient? (Lesson 7-1)

24,000 ÷ 80

A. 3

B. 30

C. 300

D. 3,000

12. There are 18,000 envelopes in packs of 60. How many packs of envelopes are there? (Lesson 7-1)

20	Estimate Quotients	(1-9)	Page:213

Estimate the quotient.

1. 2,400 ÷ 34

2. 3,500 ÷ 65

3. 1,800 ÷ 92

4. 4,800 ÷ 86

5. 6,390 ÷ 31

6. 4,988 ÷ 19

7. 809 ÷ 10

8. 9,598 ÷ 11

9. **Error Analysis** Cho writes this equation. Is her calculation reasonable? Explain.

9,025 ÷ 25 = 3,610

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15. Which is the best estimate of $3{,}988 \div 19$? (Lesson 7-2)

A. 20

B. 200

C. 400

D. 2,000

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