Lesson Activities 33



- 1. Multiply 5 ones by 3.
- 2. Multiply 4 tens by 3. Add 1 ten.
- 3. Multiply 2 hundreds by 3. Add 1 hundred.





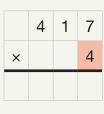


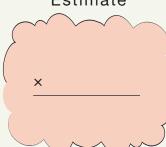




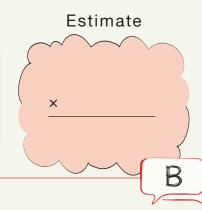


Estimate





	2 ,	, 9	8	1
×				5

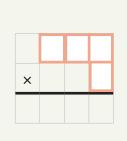


Multiplication War



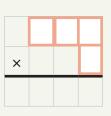
(2-Player Game)

Player 1

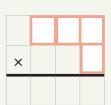


Round 1

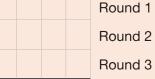
Round 2



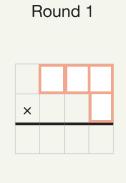
Round 3



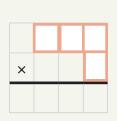
Round 1



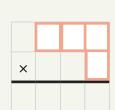
Total



Round 2



Round 3



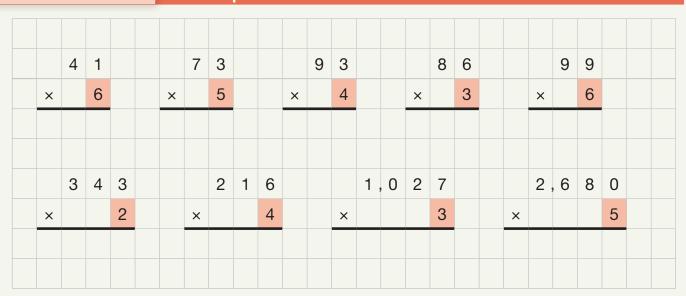
Round 1

Round 2

Round 3

Total

Practice & Find the products.



Use the price list to answer the questions. Write the equations you use in the work space.

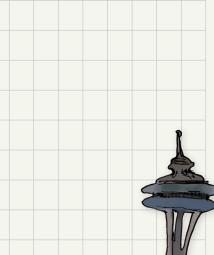


How much do 3 tickets to St. Louis cost?

How much do 6 tickets to Boston cost?

How much do 4 tickets to Miami cost?

How much do 9 tickets to Seattle cost?

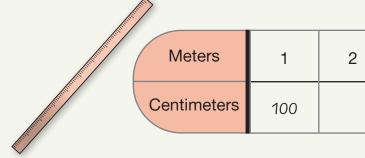


WORK SPACE

Review & Complete.

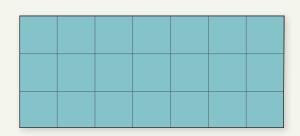
$$9 \times 4 =$$

Complete the chart.



3 4 5 6

Find the area and perimeter.



Perimeter: _____ cm

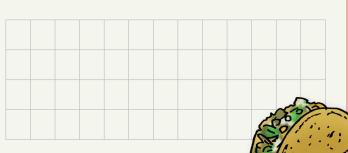
Area: ______ sq. cm

Write each number in expanded form.

Solve. Write the equations you use.

Harmony buys 3 tacos for \$6 each and 2 burritos for \$8 each.

How much does she spend?

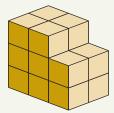


Watson has \$20.

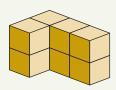
He buys 4 drinks for \$3 each.

How much money does he have left?

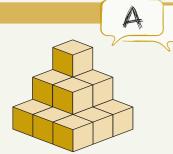
esson Activities 33



Volume: _____ cubic cm



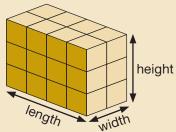
Volume: _____ cubic cm



Volume: _ cubic cm

Volume of a Rectangular Prism

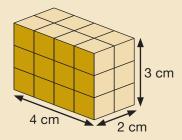
To find the volume of a rectangular prism, we multiply its length times its width times its height.



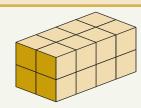
 $length \times width \times height = volume$



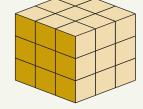
What is the volume of a 4 cm by 2 cm by 3 cm rectangular prism?



 $4 \times 2 \times 3 =$ **24 cubic cm**



Volume: _____ cubic cm



Volume: _____ cubic cm



Volume: _____ cubic cm



Build the Box (2-Player Game)







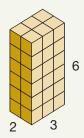
Dimensions (cm)	Volume (cubic cm)
××	
××	
××	

Player 1 Total:

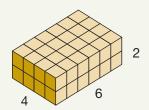
Dimensions (cm)	Volume (cubic cm)
××	
××	
××	

Player 2 Total:

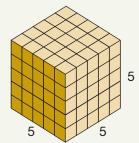
Practice Find the volume of each solid. (All dimensions are in cm.)



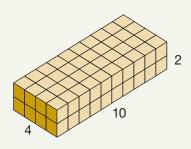
Volume: _____ cubic cm



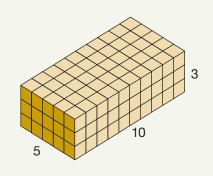
Volume: _____ cubic cm



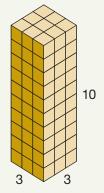
Volume: _____ cubic cm



Volume: _____ cubic cm



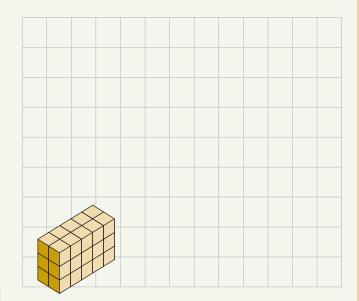
Volume: _____ cubic cm



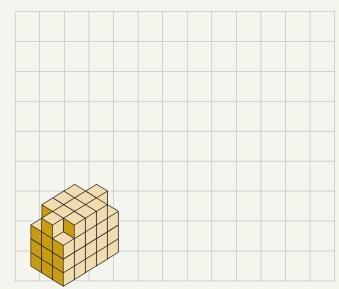
Volume: _____ cubic cm

Solve. Write the equations you use.

Etta uses cubes to build 4 rectangular prisms. Each rectangular prism is $2 \times 5 \times 3$. How many cubes does she use in all?



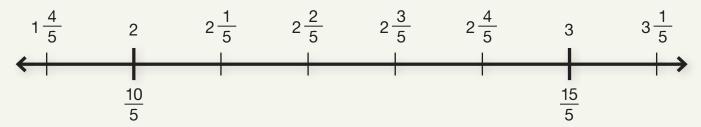
Holden uses cubes to build a $3 \times 5 \times 4$ rectangular prism. Then, he removes 4 cubes from the top layer. How many cubes remain in his construction?



Lesson 4.2 101

Review .

Complete the missing numerator in each fraction. Use the number line to help.



$$2\frac{4}{5} = \frac{14}{5}$$

$$3 = \frac{1}{5}$$

$$2\frac{2}{5} = \frac{2}{5}$$

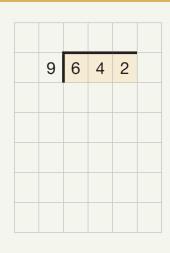
$$3\frac{1}{5} = \frac{1}{5}$$

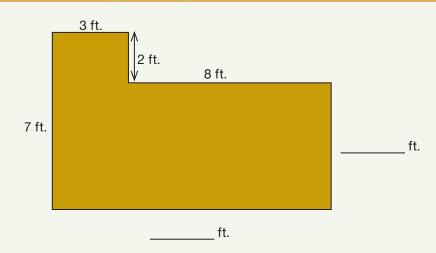
$$2\frac{3}{5} = \frac{3}{5}$$

$$1\frac{4}{5} = \frac{}{5}$$

Find the quotient.

Find the missing side lengths.





Circle the equation that you could use to find the answer to the word problem. (You do not have to solve.)

Mihika has \$34. Then, she works for 3 hours and earns \$15 per hour.

How much money does she have now?

$$34 + (3 \times 15)$$

$$(34 + 3) \times 15$$

Asher has \$30.

He buys 2 sandwiches for \$12 each. How much money does he have now?

$$(30 - 2) \times 12$$

$$30 - (2 \times 12)$$

Silas buys 3 drinks for \$4 each and 2 tubs of popcorn for \$6 each.

How much does he spend in all?

$$(3 \times 4) + (2 \times 6)$$

$$3 \times (4 + 2) \times 6$$

Phoebe buys 4 packs of candy. There are 6 pieces of candy in each pack. She eats 2 pieces. How many pieces are left?

$$4 \times (6 - 2)$$

$$(4 \times 6) - 2$$

Lesson Activities 33



$$\frac{3}{8} + \frac{2}{8} =$$

$$\frac{6}{10} + \frac{3}{10} =$$

$$\frac{4}{12} + \frac{1}{12} =$$



How to Use Common Denominators to Add Fractions

- 1. Find the least common multiple (LCM) of both denominators. You will use this number for the common denominator.
- 2. Rewrite each fraction as an equivalent fraction with the common denominator.
- 3. Add the fractions.

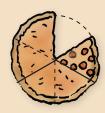


Ex.
$$\frac{2}{3} + \frac{1}{6} = ?$$

The denominators are 3 and 6. The LCM of 3 and 6 is 6.

So, use 6 as the common denominator.

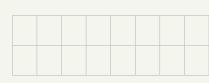
$$\frac{\frac{2}{3} + \frac{1}{6}}{\sqrt[4]{\frac{4}{6} + \frac{1}{6}}} = \frac{5}{6}$$



$$\frac{1}{4} + \frac{3}{8}$$

$$\frac{3}{4} + \frac{1}{6}$$

$$\frac{1}{5} + \frac{1}{2}$$



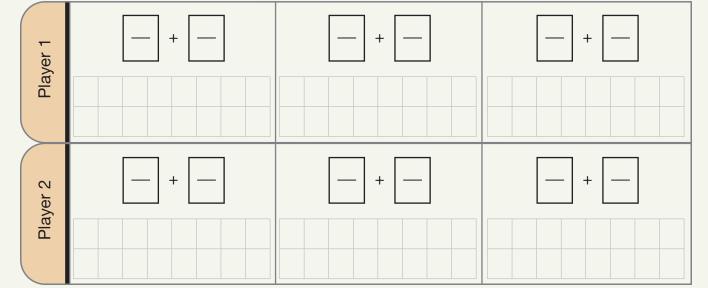




Fraction Addition War



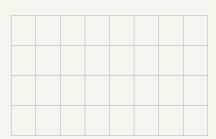
(2-Player Game)



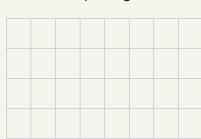
Practice :

Find the sum.

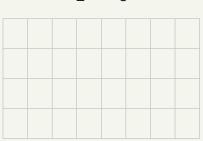
$$\frac{3}{10} + \frac{2}{5}$$



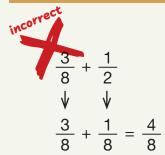
$$\frac{1}{4} + \frac{1}{8}$$



$$\frac{1}{2} + \frac{1}{3}$$

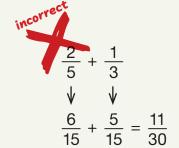


Describe the mistake in each problem. Then, solve it correctly.



What is the mistake?

Correct solution:



What is the mistake?

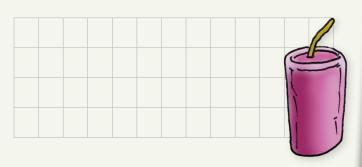
Correct solution:

Solve. Write the equations you use.

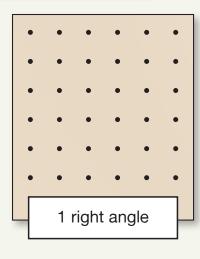
Ava makes granola with $\frac{2}{3}$ cup of dried cherries and $\frac{1}{4}$ cup of dried cranberries. How much dried fruit does she use in all?

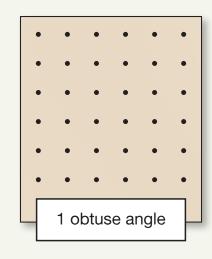


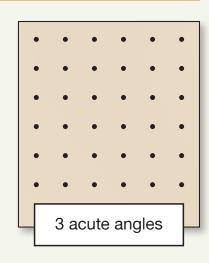
Gideon makes a smoothie with $\frac{1}{6}$ pound of blueberries and $\frac{1}{4}$ pound of chopped pineapple. How much fruit does he put in the smoothie in all?



Review 2 Draw a triangle that matches each description.







Write the numbers in order from least to greatest.

0.041

0.40

greatest

Circle the words that describe the answer to each problem. You do not need to find the exact answers.

$$358 + 315$$

$$358 + 315$$

greater than 600

$$217 + 345$$

greater than 600

$$153 + 439$$

less than 600

greater than 600

$$642 - 96$$

less than 500

less

than 600

greater than 500

less than 500

less

than 600

greater than 500 850 - 328

less than 500

greater than 500

Lesson Activities 33

Hope made 24 lavender-scented candles for the craft fair. She wants to pack an equal number of candles in each box. How many candles can she pack in each box? Find all possible answers.

Hope also made 28 eucalyptusscented candles. If she puts an equal number of these candles in each box, how many candles can she pack in each box? Find all possible answers.



Greatest Common Factor

The greatest common factor (GCF) of two numbers is the highest factor they have in common.

To find the greatest common factor:

- 1. Make a list of the factors of each number.
- 2. Look for the greatest factor they have in common.



Ex.) Find the greatest common factor of 10 and 15.

Factor pairs of 10: Factor pairs of 15:

$$2 \times 5$$

$$3 \times 5$$

The common factors of 10 and 15 are 1 and 5.

So, the greatest common factor of 10 and 15 is 5.

Factor Pairs of 24

Factor Pairs of 28

Factor Pairs of 30

What factor(s) do 24 and 28 have in common?

What factor(s) do 28 and 30 have in common?

What factor(s) do 24 and 30 have in common?

GCF of 24 and 28: _____

GCF of 28 and 30:

GCF of 24 and 30:

Lesson 6.7

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Practice : Find all factor pairs for each number. Then, answer the questions.					
Factor Pairs of 12	Factor Pairs of 15	What factors do 12 and 15 have in common?			
		GCF of 12 and 15:			
		GOT OF 12 and 10.			
Factor Pairs of 16	Factor Pairs of 32	What factors do 16 and 32 have in common?			
		GCF of 16 and 32:			
		What factors do OF and 45			
Factor Pairs of 25	Factor Pairs of 45	What factors do 25 and 45 have in common?			
		GCF of 25 and 45:			
Find the greatest common factor for each pair of numbers. Make your own lists of factors.					
GCF of 8 and 9: GCF of 18 a		d 27:			

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Review & Choose the more sensible measurement for each volume.



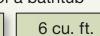
Volume of a thimble

3 cu. cm 3 cu. m



Volume of a bathtub

6 cu. in.



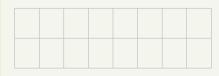


Volume of a small pool

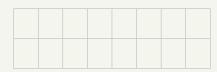
16 cu. km | 16 cu. m

Complete.

Use mental math to find the quotients.







Circle the word that describes each number.

prime | composite

prime | composite

composite

12

prime | composite

17

prime composite 20

prime

21

prime | composite

composite prime

27

prime composite 29

prime | composite