# RIGHTSTART<sup>TM</sup> MATHEMATICS

by Joan A. Cotter, Ph.D. with Kathleen Cotter Lawler

## FOURTH GRADE LESSONS

**A** Activities for Learning, Inc.

A special thank you to Maren Ehley and Rebecca Walsh for their work in the final preparation of this manual.

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## **RIGHTSTART<sup>™</sup> MATHEMATICS OBJECTIVES FOR FOURTH GRADE**

#### Numeration

Understands and finds prime numbers

Factors numbers

Reads, writes, rounds, and compares numbers to the billions

#### **Addition and Subtraction**

Adds and subtracts multi-digit numbers in multiple ways

#### **Multiplication and Division**

Knows multiplication facts to  $10 \times 10$ 

Knows division facts, including remainders

Applies commutative, associative, and distributive properties Multiplies multiples of 10, e.g.  $80 \times 7$ 

Multiplies multi-digit numbers by a 2-digit number

Does short division to divide multi-digit number by a single digit

#### **Problem Solving**

Solves two-step problems involving four operations

Writes equations to represent story problems

Solves division story problems with remainders

Solves elapsed time, distance, money, and capacity problems

#### Measurement

Understands square units: cm<sup>2</sup>, dm<sup>2</sup>, sq ft, and sq yd Finds perimeter and area in customary and metric units Converts measurements in same system (e.g., g to kg)

#### Fractions

Adds and subtracts simple fractions and mixed numbers Understands a/b as 1/b multiplied by a

Understands  $n\frac{u}{b}$  as a whole number plus a fraction Compares and finds equivalences on the fraction chart Multiplies fractions times a whole number

#### **Decimals and Percents**

Understands decimals as fractions of tenths or hundredths Converts decimal fractions from tenths to hundredths and back Adds, subtracts, and compares decimals to two decimal places Understands and uses simple percents

#### Patterns

Recognizes and continues numeric and geometric patterns Uses algebraic thinking to write a pattern symbolically Solves simple equations

#### Data

Makes line plots and interprets data

#### Geometry

Locates lines of symmetry and draws reflections Knows angles 30°, 45°, 60°, 90°, 180°, and 360°

Classifies shapes by attributes

Constructs equilateral triangle and other shapes

Quarter I	Quarter 2	Quarter 3	Quarter 4
N/A			
N/A			



N/A		
N/A	N/A	
N/A		
N/A		
N/A	N/A	
N/A	N/A	

N/A	N/A	N/A	

N/A	N/A		
N/A	N/A		
N/A	N/A	N/A	

N/A		
N/A		

N/A	N/A	
N/A	N/A	
N/A	N/A	
N/A	N/A	

N/A	N/A	N/A	
N/A			

|--|

N/A	N/A	N/A	
N/A	N/A	N/A	
N/A	N/A	N/A	
N/A	N/A	N/A	

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## LESSON 56: ADDING MIXED NUMBERS WITH EIGHTHS

#### **OBJECTIVES:**

- 1. To learn the terms *proper fraction* and *improper fraction*
- 2. To practice adding fractions with eighths
- 3. To convert improper eighths to proper eighths

- 1. Fraction charts and fraction pieces
- 2. Math Card Games book, F22.1
- 3. Math journals

ACTIVITIES FOR TEACHING:	EXPLANATIONS:
<i>Warm-up.</i> Ask: In the fraction one fifth, what is the denominator? [5] In the fraction one fifth, what number is the numerator? [1] If the denominator and numerator are the same, what does the fraction equal? [1]	
<i>Improper fractions.</i> Distribute the fraction charts and fraction pieces.	
Write: $\frac{9}{8}$	
and ask the children to show it with their fraction chart and fraction pieces. [8 eighths plus 1 more eighth] See figure below.	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
Write: $\frac{5}{3}$	
and tell them to show it with the fraction materials. See figure below.	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
Showing $\overline{3}$ with the fraction chart and pieces.	

ACTIVITIES FOR TEACHING CONTINUED:	EXPLANATIONS CONTINUED:
Write: $\frac{9}{8}  \frac{5}{3}  \frac{3}{4}$	
Ask: Which of these three fractions is less than one? $[\frac{3}{4}]$ How can you tell by looking only at the numerators and denominators? [The numerator is less than the denominator.]	
Say: When the numerator is less than the denominator, the fraction is called a <i>proper fraction</i> . This name results from hundreds of years ago when people thought a "real" fraction had to be less than one. The word "fraction" comes from the Latin word "frangere" meaning "to break." Two other words from this root word are fracture and fragment. Mathematicians realized fractions were division and often were not less than one. They called fractions equal to or greater than one <i>improper fractions</i> . Write: $\frac{4}{8}$ $\frac{7}{4}$ $\frac{4}{3}$ $\frac{8}{8}$ $\frac{12}{8}$ $\frac{1}{6}$ Ask: Which of these are proper fractions? [only the first and last fractions $\frac{4}{5}$ and $\frac{1}{5}$ ]	
A de Hou con ve reveite the improper fractions using e	
whole number plus a fraction? $[1\frac{3}{2}, 1\frac{1}{2}, 1, 1\frac{4}{2}]$	This can be done by referring to the fraction
<b>Preparation for Corners</b> <sup><math>M</math></sup> with Fighths game	chart. No algorithm is necessary.
Explain that the game for the day will be a Corners <sup>™</sup> Three game variation. Now each number on the cards will be <i>eighths</i> . For example, 3 is $\frac{3}{8}$ and 9 is $\frac{9}{8}$ .	
Write: $1\frac{3}{8} + \frac{9}{8} =$	
and ask the children to add it. Ask several children to explain their work to the class.	
One way is: $1\frac{3}{8} + \frac{9}{8} = 1\frac{12}{8} = 2\frac{4}{8}$	The answers need not be in lowest terms.
Another way is: $1\frac{1}{8}$ $1\frac{3}{8} + \frac{9}{8} = 2\frac{4}{8}$	
Give them another example: $2\frac{2}{8}$	
$2\frac{5}{8} + \frac{18}{8} = [2\frac{23}{8} = 4\frac{7}{8} \text{ or } 2\frac{5}{8} + \frac{16}{78} = 4\frac{7}{8}]$	
<b>Corners<sup>™</sup> with Eighths game.</b> Play Corners <sup>™</sup> with Eighths game, found in <i>Math Card Games</i> book, F22.1. Stress that the fractions in the scoring sums must be proper fractions. Tell them to write the scoring in their math journals.	
<i>In conclusion.</i> Ask: What do we call a fraction when the numerator is greater than the denominator? [improper] What is a fraction called when the	
denominator is greater than the numerator? [proper]	

## LESSON 59: MULTIPLYING BY TWO DIGITS

#### **OBJECTIVES:**

- 1. To develop a procedure for multiplying by two digits
- 1. Worksheet 37, Multiplying by Two Digits

ACTIVITIES FOR TEACHING:					EXPLANATIONS:	
<b>Warm-up.</b> Ask: What is 31 × 2? [62] What is 31 × 20? [620] What is 31 × 200? [6200]						
Ask: What is 23 × 3? [69] What is 23 × 30? [690] What is 23 × 300? [6900]						
<i>Multiply</i> problems	ing by tw :	vo digits.	Write the	se three		
	312 <u>× 2</u> 624	33 <u>× 3</u> 930	12 <u>30</u> 50	312 <u>× 32</u>		
Say: You have been multiplying problems like the first one for several months now. In yesterday's lesson you multiplied numbers with tens like the second problem. Today you will multiply numbers with two digits like the third problem.						
Ask: How do you think you could do it? Tell the children to share their thoughts with a neighbor and then ask someone to share with the class. Two solutions are below.						
	3 × 6 <u>93</u> 99	12 32 24 60 84	× 93 	312 <u>32</u> 360 624 984		It is acceptable to multiply the leftmost digit first.
Workshi children solutions	<b>eet 37.</b> Di to do the t are below	istribute th first two ro <sup>7</sup> .	e workshe ws in the	eets and te left box. T	ell the The	
Then tell and the c	them to d lass.	liscuss thei	r answers	with a ne	ighbor	
63 <u>× 5</u> <b>315</b>	63 <u>× 30</u> 1890	63 <u>× 35</u> <b>315</b> <u>1890</u> 2205	825 <u>× 6</u> <b>4950</b>	825 <u>× 50</u> <b>41,250</b>	825 <u>× 56</u> <b>4950</b> <u>41250</u> <b>46,200</b>	

ACTIVITIES FOR TEACHING CONTINUED:					EXPLANATIONS CONTINUED:
Repeat for the last two rows in the left box. The solutions are below.					
3674 3674 <u>×1</u> <u>×80</u> 3674 293,920	3674 <u>× 81</u> 3674 293920 297,594	9062 _ <u>× 7</u> 63,434 18 <sup>-</sup>	9062 <u>× 20</u> 1, <b>240</b>	9062 _ <u>× 27</u> 63434 <u>181240</u> 244,674	
Writing the 'ca	rries.' Write:				
	2 <u>× 4</u>	28 <u>43</u>			
and multiply the	28 × 3 part. Se	ee below.			
$\begin{array}{r}2\\28\\\times 43\\\overline{84}\end{array}$					Do not insist that all children write the little ones. Some can do it mentally.
Continue with m	nultiplying the	$28 \times 40.$			
$ \begin{array}{r} 3\\2\\28\\\times 43\\\hline 84\\\underline{1120}\\1204\end{array} $			Technically, it is not necessary to write the 0 in the right column of the second line. However, it helps children in their understanding that they are multiplying by 3 tens and not by 3 ones. Unfortunately, some students have been		
Explain that the carries, the little numbers, can be written in rows above the problem, but many people do not write them at all; they do it mentally.				taught to write an "x" as the placeholder. This nonstandard use of x has caused those students considerable confusion when they studied algebra.	
<i>Worksheet 37.</i> Tell the children to complete the worksheet. The solutions are below.					
81 <u>× 52</u> <b>162</b> <u>4050</u> 4212	143         572           × 33         × 64           429         2288           4290         34320           4719         36,608	2927 <u>× 81</u> 2927 234160 237,087			
365 <u>× 2</u> 730	365 365 <u>× 9 × 10</u> 3285 3650	365 <u>× 55</u> 1825 <u>18250</u> 20,075	36 <u>× 2</u> 219 <u>730</u> 949	85 26 90 90 90	
<i>In conclusion.</i> Ask: If you multiply 2 by 50 and then 2 by 3 and add them together, what is the answer? [106, $2 \times 53$ ] If you multiply any number by 50 and then by 3 and add them together, what is the answer? [number $\times 53$ ]			If there is additional time following this lesson, play the Multiples Solitaire game, found in <i>Math Card Games</i> book, P19.		

#### Worksheet 37, Multiplying by Two Digits

Name: \_\_\_\_\_

Date:



#### 3. How many days are in the following number of years? Ignore leap years.



## LESSON 78: USING DECIMAL POINTS FOR HUNDREDTHS

#### **OBJECTIVES:**

- 1. To understand decimals as an alternate way of writing tenths and hundredths
- 2. To subtract tenths and hundredths in decimal format

#### **MATERIALS:**

- 1. Warm-up Practice 3
- 2. AL Abacuses and about 10 centimeter cubes
- 3. Place-value cards
- 4. *Math Card Games* book, N43 and F22.2, and Math journals
- 5. Worksheet 51, Using Decimal Points for Hundredths

**EXPLANATIONS:** 

#### ACTIVITIES FOR TEACHING:

*Warm-up.* Distribute the warm-up practice sheets. Tell the children to do the second section on the page. Solutions are on the right.

*Writing hundredths as decimals.* Distribute the abacuses, centimeter cubes, and place-value cards.

Write:  $4\frac{12}{100}$ 

and ask: How do you think you could write this using a decimal point? Write it: 4.12

Say: We read it as 4 and 12 hundredths. Compose the number with your place-value cards and enter it on your abacus. See the left figure below.



Repeat for nine and 78 hundredths. See the middle figure above.

Repeat for 65 and 7 hundredths. (To get the zero, turn a tens card for example, the 30-card, upside down and cover the 3 with the 7.) See the right figure above. Ask: Why did you need a zero before the 7? [Without it, it would be 65 and 7 tenths.]

*Practice.* Write and ask them to read the following:

- 30.72 [30 and 72 hundredths]
- 72.8 [72 and 8 tenths]
- 72.08 [72 and 8 hundredths]
- 9.40 [9 and 40 hundredths]

ſ		
5678 ( <b>8</b> )	5678 ( <b>8</b> )	5678 ( <b>8</b> )
<u>×2</u> (2)	<u>× 70</u> ( <b>7</b> )	<u>× 72</u> (0)
11 356 (7)	<b>397 460 (2)</b>	11 356
		<u>397 460</u>
		408 816 (0)
	213 459 ( <b>6</b> )	
	<u>× 35</u> ( <b>8</b> )	
	1 067 295	
	<u>6 403 770</u>	
	7 471 065 (3)	
L		

This question encourages the children to think of the big picture and to continue to think intuitively about math.

Do not at this point read 4.12 as "four point one two." This lesson is to help the children understand the relationship between fractions and decimals.

ACTIVITIES F	OR TEACHING C	ONTINUED:	EXPLANATIONS CONTINUED:
<b>Can You Find</b> You Find game, Use place-value centimeter cube children to com cards will be col	<i>game.</i> Play this var found in <i>Math Care</i> cards with ones and s. Below are the nur pose the number ar lected at the end of		
1. Can you fi	nd 90 and 5 tenths?	,	
2. Can you fi	nd 8 tenths?		
3. Can you fi	nd 60 and 87 hundr	redths?	
4. Can you fi	nd 50 and 12 hundr	redths?	
5. Can you fi	nd 24 and 3 tenths?		
6. Can you fi	nd 71 and 36 hundr	edths?	
7. Can you fi upside dov	nd 9 hundredths? (l vn to get a zero.)	Hint: Turn the 40-card	l l
Subtracting te	nths and hundre	<b>dths.</b> Write:	
4.1 <u>3</u>	2.37 <u>- 1.31</u>	3.26 <u>- 1.48</u>	
and ask them to [3.8, 1.06, 1.78] <sup>7</sup> thinking in term <i>Worksheet 51.</i> and tell them to	find the differences They could do it wit is in tenths and hur Distribute the wor do the problems. T	s any way they can. h the abacus or by ndredths as fractions. ksheets to the childrer he solutions are below	1
1 <u>29</u> 1.29	52 <u>52</u> 52.52	63 <u>47</u> 63.47	
<u>83</u> 100 .83	8 <u>7</u> 8.07	8 <u>9</u> 8 <u>10</u> 8.9	
21.6 <u>- 3.5</u> <b>18.1</b> –	$\begin{array}{c} 9.3 \\ \underline{5.6} \\ 3.7 \end{array} \begin{array}{c} 10.0 \\ \underline{-8.5} \\ 1.5 \end{array}$	9.1 <u>- 8.3</u> .8	
11.63 <u>- 2.31</u> - <b>9.32</b>	$\begin{array}{r} 9.47 & 9.53 \\ \underline{2.87} & - \underline{5.28} \\ 6.60 & 4.25 \end{array}$	7.41 <u>- 5.53</u> <b>1.88</b>	
5.68 - 2.08 <b>3.60</b> -	$5.15 \\ \underline{2.90} \\ \underline{2.25} \\ 6.75 \\ 8.00 \\ \underline{-1.25} \\ 6.75$	$   \begin{array}{r}     3.40 \\     - 1.25 \\     \hline     2.15   \end{array} $	
<b>Corners™ with</b> of Corners <sup>™</sup> with Games book, F2 the scores using	h <b>Tenths game.</b> Pl n Tenths game foun 2.2. Say: Use your n decimal points. In		

numbers are considered to be hundredths. A score of 12 is now 12 hundredths, written with a decimal point (.12). Tell them to use their math journals for scoring.

In conclusion. Ask: Which is more, 7 tenths or 7 hundredths? [7 tenths] Which is more, 7 tenths or 70 hundredths? [the same] Which is more, 7 or 7 tenths? [7]

4.NF.C.6

Worksheet 51, Using Decimal Points for Hundredths

Name: \_\_\_\_\_

Date:

Write the quantities shown using fractions and decimal points.

Subtract the following.			
21.6 <u>- 3.5</u>	9.3 <u>- 5.6</u>	10.0 - 8.5	9.1 <u>- 8.3</u>
$\begin{array}{r} 11.63 \\ - 2.31 \end{array}$	9.47 <u>- 2.87</u>	9.53 <u>- 5.28</u>	7.41 $-5.53$
5.68 - 2.08	5.15 - 2.90	8.00 - 1.25	3.40 $- 1.25$

## LESSON 95: MORE PERCENTAGE PROBLEMS

#### **OBJECTIVES:**

- 1. To solve more common problems involving percentages
- 2. To learn about tipping and sales tax

- 1. Warm-up Practice 9
- 2. Worksheet 67, More Percentage Problems
- 3. Math Card Games book, F48

ACTIVITIES FOR TEACHING:	EXPLANATIONS:
<i>Warm-up.</i> Distribute the warm-up practice sheets. Tell the children to do the second multivide on the page. Solutions are on the right.	24 (6) × 18 (0) 192
<i>Worksheet 67.</i> Distribute the worksheets and ask the children to read and solve the first problem. Then tell them to explain it to a neighbor and the class.	$ \begin{array}{c} \frac{240}{432} \\ (0) \\ \underline{\times 6} \\ 2592 \\ (0) \\ \times 25 \\ (2) \\ (0)$
1. In a certain class 50% of the children are girls. There are 12 girls. How many children are in the class? [24 children]	<u> </u>
If 50% are girls, then 50% must be boys. The total number will be $12 \times 2 = 24$ children.	<u>× 96</u> (6) 544 320 <u>8 164 800</u>
Repeat for the remaining problems.	9 <u>) 8 709 120</u> (0)
2. The usual tip at a restaurant is 15% of the cost of the food. Many people figure it out by first finding 10%, then finding 5%, which is half of 10%, and adding them together. What is the tip if the food costs \$8.00? [\$1.20]	$\begin{array}{c} 8 \underline{)967\ 680} (0) \\ 7 \underline{)120\ 960} (0) \\ 6 \underline{)17\ 280} (0) \\ 5 \underline{)2\ 880} (0) \\ 4 \underline{)\ 576} (0) \end{array}$
Ten percent of \$8 is \$0.80. Half of that is \$0.40. Adding \$0.80 and \$0.40 is \$1.20.	$\begin{array}{c} 3)\underline{144} \\ 2)\underline{48} \\ 3 \end{array} (3)$
3. What is the 15% tip if the food bill is \$12.00? What is the total cost? [\$13.80]	24
Tip is $1.20 + 0.60 = 1.80$ . Total is $12 + 1.80 = 13.80$ .	
4. In some places people pay sales tax on certain things they buy. If the sales tax is 5%, what is the total bill for a car that cost \$4000? [\$4200]	
Ten percent of \$4000 is \$400. Half of that is \$200. Total is \$4000 + \$200 = \$4200 total cost.	

ACTIVITIES FOR TEACHING CONTINUED:	EXPLANATIONS CONTINUED:
5. The original price for a game is \$10.00. In Store A it went on sale at 10% off and then it went on sale again with 50% off of the sale price. In Store B it went on sale at 50% off and then it went on sale again with 10% off of the sale price. Which store has the better price? [the same, \$4.50]	
At Store A, the price after the first reduction is $$10 \times 90\% = $9$ . After the second price reduction, it is $$9 \times 50\% = $4.50$ .	
At Store B, the price after the first reduction is $$10 \times 50\% = $5$ . After the second price reduction, it is $$5 \times 90\% = $4.50$ .	Note that the final price for Store A is $$10 \times 50\% \times 90\%$ and for Store B it is $$10 \times 90\% \times 50\%$ , which gives the same result
<b>Percentage War game.</b> Have them play the Percentage War game, found in <i>Math Card Games</i> book, F48.	result.
<i>In conclusion.</i> Ask: Which is more, one half or 60%? [60%] Which is more, three eighth or 20%? [three eighths] Which is more, two thirds or four fifths? [four fifths]	

Worksheet 67, More Percentage Problems

Name: \_\_\_\_\_

Solve the following problems.

1. In a certain class 50% of the children are girls. There are 12 girls. How many children are in the class?

- 2. The usual tip at a restaurant is 15% of the cost of the food. Many people figure it out by first finding 10%, then finding 5%, which is half of 10%, and adding them together. What is the tip if the food costs \$8.00?
- 3. What is the 15% tip if the food bill is \$12.00? What is the total cost?

4. In some places people pay sales tax on certain things they buy. If the sales tax is 5%, what is the total bill for a car that cost \$4000?

5. The original price for a game is \$10.00. In Store A it went on sale at 10% off and then it went on sale again with 50% off of the sale price. In Store B it went on sale at 50% off and then it went on sale again with 10% off of the sale price. Which store has the better price?

## LESSON 122: ISOMETRIC DRAWINGS

#### **OBJECTIVES:**

- 1. To introduce isometric drawing
- 2. To practice visualizing objects
- 3. To make some simple isometric drawings

- 1. Warm-up Practice 12
- 2. Worksheet 94, Isometric Drawings
- 3.35 centimeter cubes per child
- 4. Drawing boards
- 5. T-squares and 30-60 triangles
- 6.10 tiles per child

ACTIVITIES FOR TEACHING:	EXPLANATIONS:
<ul> <li>Warm-up. Distribute the warm-up practice sheets. Tell the children to do the second multivide on the page. Solutions are on the right.</li> <li>Worksheet 94. Distribute the worksheets, centimeter cubes, drawing boards, T-squares, triangles, and tiles to the children. Tell them to tape the worksheet to their.</li> </ul>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
drawing boards.	<u>× 72</u> (0) 161 280
<b>Problem 1.</b> Tell the children to read the instructions on the worksheet for Problem 1. Tell them to use their triangle to find the angles of the lines. [90° and 30°]	$\begin{array}{r} 5 & 644 & 800 \\ \hline 5 & 644 & 800 \\ 9 \\ \hline 5 & 806 & 080 \\ 8 \\ \hline 645 & 120 \\ \end{array} (0)$
Explain that the word "isometric" (i-so-MET-ric) comes from two Greek words, "iso" meaning "equal" and "metric" meaning "measure." Ask: What other mathematical word starts with "iso"? [isosceles] What does isosceles mean? [equal legs]	$\begin{array}{c} 7 \underline{)80} \underline{640} \\ 6 \underline{)11} \underline{520} \\ (0) \\ 5 \underline{)1} \underline{920} \\ (3) \\ 4 \underline{)384} \\ (6) \\ 3 \underline{)96} \\ (6) \\ 2 \underline{)32} \\ (5) \end{array}$
Ask: What small figures makes up the background for the isometric drawings? [equilateral triangles] What is special about them? [All three sides are equal.] Say: This means that the units are the same in each direction. Isometric drawings are a way to show three dimensions on a flat surface.	16
Tell the children that the terms <i>width</i> , <i>length</i> , and <i>height</i> do not have exact definitions. Sometimes <i>breadth</i> and <i>depth</i> are also used. Because of possible confusion, companies that sell boxes do not use these words to describe the dimensions of their boxes, but use drawings or just the measurements instead.	
Tell them to make a cube with their centimeter cubes that measures 2 cm on a side. See the left figure on the next page. Then tell them to make another cube that measures 3 cm on a side. See the right figure. Ask: How does the length, width, and height change? [increases by 1 cm]	

#### **ACTIVITIES FOR TEACHING CONTINUED:**

#### **EXPLANATIONS CONTINUED:**





Cube with 2 cm side.

Cube with 3 cm side.

Tell them to draw the 3 cm cube for Problem 1. The solution is shown below. Tell the children to share their work with a neighbor and the class.



**Problem 2.** Tell the children to read the instructions for the second problem. Tell them to make the stairs they need with tiles first. See the figure below.



The stairs built with tiles.

Then tell them to draw the stairs. The solution is shown below. Tell them to share with a neighbor and the class.



**Problems 3 and 4.** Tell them to complete the worksheet. The solutions are below.



*In conclusion.* Ask: Do you see any rectangular prisms in the room? [possibly a brick, book, picture frame, box, table top, and window glass.]

Shading isn't strictly necessary, but it makes the figure more realistic.

The children will need this worksheet for the next lesson.

If there is additional time following this lesson, play the Card Exchange game, found in *Math Card Games* book, P27.

4.OA.C.5

Name: \_\_\_\_\_

Date:

1. The drawing at the right is called an isometric drawing. Isometric drawings show equal distances along the three dimensions: width, length, and height. Engineers, architects, and designers use isometric drawings to show how a product will look.

The cube shown is 2 units on each edge. Using your drawing tools, draw another cube that is 3 units on an edge. Start at the dot. Make each side different by shading or hatching.



2. Copy the stairs, but make it one step higher.



3. Draw a rectangular prism(a box) that is 2 units wide,4 units long, and 3 units high.



4. Draw an empty box like the box shown, but make it only 1 unit high. Be sure the bottom of the box shows.

