# RightStart ${ }^{\text {TM }}$ Mathematics <br> Corrections and Updates for Level E / Grade 4 Lessons and Worksheets, second edition 

| LESSON/WORKSHEET | CHANGE DATE | CORRECTION OR UPDATE |
| :---: | :---: | :---: |
| Lesson 6 | 05/20/2021 | On the second page, right above the short multiplication table, the answer to $8 \times 9$ should be "go to row 8 and down to row 9 " not "go to row 6 and down to row 8." |
| Lesson 8 | 04/18/2018 | The Quotient and Remainder game instructions should read: Place the dividend card, the multiplication card, first in the row, as shown below." |
| Lesson 19 Worksheet 7 | 12/01/2020 | The last problem on the worksheet should read "Write any 3digit number with no two numbers being the same." |
| Lesson 19 | 12/01/2020 | On the second page, an explanation was added across from the Worksheet 7 paragraph: If the first and last numbers of the 3digit number are sequential, such as 493 , the difference will be 99. Assume a 0 precedes the 99 , giving the reverse number as 990, then the final sum will be 1089. <br> Peter, age 9 , found that if the first and third number are the same, such as 181 , or if all three digits are the same, such as 333 , the final sum is another number! |
| Lesson 26 | 11/18/2016 | At the bottom of the page, it reads: "Repeat for: 10,380-8267". It should read: "Repeat for: 10,280-8367" |
| Lesson 28 Worksheet 15-A | 01/03/2019 | The magic square on the bottom of the worksheet is incorrect. See attached PDF. Correct answers are shown here. |
| Lesson 36 | 04/18/2018 | The Quotient and Remainder game instructions should read: Place the dividend card, the multiplication card, first in the row, as shown below." |
| Lesson 38 <br> Classroom version <br> only | 07/31/2017 | On the second page, the second drawing board is depicted to the right of the work, rather than under the worksheet's information. It should look as shown here. |
| Lesson 55 | 11/18/2016 | For the second Warm-Up, $6374-4736$ is 1638 , not 1636 . The check numbers are correct. |


| Lesson 56 | 03/29/2017 | The game assigned for the day is F22.1, Corner with Eighths. Older fifth edition books do not have this game. Games are found on the pdf attached at the bottom of this document. This also will affect lessons $57,71,73,74,76,77,78$, and 138. |
| :---: | :---: | :---: |
| Lesson 61 | 06/02/2022 | On the second page, under Using a calculator to find prime numbers, 7 and 11 are not factors, rather than not multiples, of 89 . |
| Lesson 62 | 02/09/2021 | At the bottom of the first page, it asks what is the next prime number. [5] Then it asks what do you cross out? The answer should be $[15,25,35 \ldots, 95]$, not [5, 10, . . . 100] |
| Lesson 68 | 04/17/2017 | On the second page, the third and fourth answers for the Worksheet 42 have the "small" numbers in the wrong place; <br> (1) are too far to the left. It should look like this: |
| Lesson 69 | 01/04/2021 | On the second page, the check number for 240 in the second problem should be (6), not (0). |
| Lesson 70 | 01/03/2019 | On the second page, the factors of 20 should be $1,2,4,5,10$, and 20, not 10 and 2. |
| Lesson 78 | 03/10/2017 | Answers for Worksheet 51, third answer on the top row, should be 63-47/100 and 63.47, not 63-49/100 and 63.49. |
| Lesson 80 | 03/10/2017 |  |
| Lesson 82 | 03/10/2017 12/28/2017 |  $314496(0)$ <br> (0) <br> the Warm-Up multivide answer, there is <br> an error in the middle of the calculations. <br> It should be as follows: <br>  $\mathbf{1 5 7 2 4 8 0}$ <br>  3144960 <br> Also, the bottom of the first page has been changed to read as follows: Ask: What does the M+ key do? [adds to memory] What do you think the M- key does? [subtracts from memory] Change the problem to: $6 \times 9-5 \times 8=[14]$ and ask: How can you do it now? [Use the M- key instead of the $\mathrm{M}+$ key to subtract the second expression.] |
| Lesson 83 | 08/08/2023 | For the Warm-Ups multivide, the check digit for 60 in $2352 \times 60$ should be (6), $1680 \div 5$ should be (6), the check digit for $336 \div 4$ should be (3), the check digit for $84 \div 3$ should be (3), and the check digit for $28 \div 2$ should be (1). |
| Lesson 84 | 08/19/2016 | For the Warm-Ups multivide, the check digit for $1920 \div 5$ should be (3), the check digit for $384 \div 4$ should be (6), the check digit for $96 \div 3$ should be (6), and the check digit for $32 \div 2$ should be (5). |


| Lesson 85 |  | On the second page under the second heading, A Mile, a <br> sentence was added at the end of the first paragraph: Ask: How <br> many steps are needed to walk a mile? [2000 steps] This helps <br> connect the upcoming question connecting 10,000 steps and <br> 5 miles. |
| :--- | :--- | :--- | :--- |
| Lesson 87 | $06 / 27 / 2023$ | In the bullet points under the gas prices, the fourth bullet should <br> say "The 9/10 means $9 / 10$ of one cent, which is also nine <br> thousandth of a dollar" rather than one thousandths of a dollar. <br> The fifth bullet point should say "...and are also thousandths of <br> a dollar," not thousands of a dollar. |
| Lesson 89 | $08 / 10 / 2023$ |  |


| Lesson 115 |  | 12/14/2019 | The sample line plot for <br> First Day of the Months in a Leap Year a leap year, <br> A note was added, "All leap years will have three months that start on the same day of the week because January, April, and July start on the same day." The most common day will depend on what calendar year is being considered. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lesson 115 |  | 06/27/2023 | The graph for Problem 3 should have another tickmark after the 3 with the " X " above that mark as the measurement is $3-1 / 4$, not $3-1 / 8$. No mark should be at the 3-1/8 mark on the line. |  |  |  |  |
| Lesson 115 | Worksheet 87 | 10/12/2023 | The last question has been changed to: What is the difference in length between the most frequent dimension and the next most frequent dimension? |  |  |  |  |
| Lesson 124 | Worksheet 96 | 03/10/2017 | Problem 3 should read "The diameter of the base is 4 units" not 2 units. PDF is attached. |  |  |  |  |
| Lesson 125 |  | 03/10/2017 | Regarding the picture of the geometry solids, the manufacturer changed the solids and the triangular prism is now a rectangular prism. The new graphic is shown here. |  |  |  |  |
| Lesson 125 |  | 02/10/2023 | In the solutions for the warm-up, the check number of 56 should be (2), not (7). |  |  |  |  |
| Lesson 128 |  | 01/03/2019 | The fourth paragraph on the second page has changed to read "Tell him to watch while you show him a procedure for finding the area. Make the $2 \times 3$ rectangle on the geoboard. Then touch any two boundary pegs with your non-writing hand. Count the uncovered boundary pairs then add the inside pegs to find the area. See the figures below." |  |  |  |  |
| Lesson 130 |  | 12/28/2017 | The order of the columns in the two tables are changed to list $b, h, b \times h$, then Area. | $b$ | $h$ | $\times h$ | Area |
|  |  | 4 |  | 1 | 4 | 2 |
|  |  | 2 |  | 3 | 6 | 3 |
|  |  | 5 |  | 4 | 20 | 10 |
|  |  | 1 |  | 5 | 5 | $2{ }^{\frac{1}{2}}$ |
|  |  | 2 |  | 4 | 8 | 4 |
|  |  | 3 |  | 6 | 18 | 9 |
|  |  | $b$ |  | $h$ | $b \times h$ | Area |
|  |  | 3 |  | 2 | 6 | 3 |
|  |  | 2 |  | 3 | 6 | 3 |
|  |  | 5 |  | 3 | 15 | $7 \frac{1}{2}$ |
|  |  | 3 |  | 1 | 3 | 112 |


| Lesson 130 | 03/21/2024 | The order of the first three rows has been changed to match the worksheet graphics. |  | $!$ | [ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $b$ | $h$ | $b \times h$ | Area |
|  |  |  | 2 | 3 | 6 | 3 |
|  |  |  | 5 | 4 | 20 | 10 |
|  |  |  | 4 | 1 | 4 | 2 |
|  |  |  | 1 | 5 | 5 | $2{ }_{2}^{1}$ |
|  |  |  | 2 | 4 | 8 | 4 |
|  |  |  | 3 | 6 | 18 | 9 |
|  |  |  | The area of half of $\boldsymbol{b} \times \boldsymbol{h}$. |  |  | $\text { ed to } b \times h \text { ? }$ |
| Lesson 132 | 12/28/2017 | On the top of the second page, the fourth line's area of the parallelogram should be 4, not 6 . |  |  |  |  |
| Lesson 136 | 04/18/2018 | The Quotient and Remainder game instructions should read: Place the dividend card, the multiplication card, first in the row, as shown below." |  |  |  |  |
| Lesson 140 Worksheet 109 | 05/19/2017 | The last question, number 159, should read "Which is longer, 3 feet or 1 meter?", not 3 yards or 1 meter. PDF of the worksheet is attached. Correct answer is 1 meter. |  |  |  |  |

## Lesson 28: Review and Games 2

## OBJECTIVES:

1. To review recent topics
2. To develop skills through playing math card games

## MATERIALS:

1. Worksheet $15-\mathrm{A}$ or $15-\mathrm{B}$, Review 2
2. Math Card Games book, P34
3. Short Multiplication Table, Appendix p.1, if needed

## ACTIVITIES FOR TEACHING:

Worksheet 15-A. Give the child the worksheet. Tell her to listen to the problems and write the answers. Read each problem twice.
$43 \times 10$
$149+37$
$70 \times 8$

Tell her to complete the worksheet. Solutions are below.


## EXPLANATIONS:

The Review worksheets each have two versions. The second version can be used in various ways: as a quiz, as a test, as a check after tutoring, and so forth.

Ask the child to correct any errors during the lesson.

See page iii, number 17 of "Some General Thoughts on Teaching Mathematics," for additional information.

Name: $\qquad$
Date: $\qquad$
Write only the answers.

Write the answers.

$$
\begin{aligned}
& 582+69= \\
& 87+\ldots=200 \\
& (6 \div 3)+(6 \div 2)=
\end{aligned}
$$

Add or subtract. Use check numbers.

$$
\begin{array}{rrr}
9575(~) & 9763() & 9515() \\
+5592() \\
\hline
\end{array}
$$

Utah's population is two million nine hundred thousand eight hundred seventy-two. Underline the period names. Write the number using digits and commas. $\qquad$

Fill in the blanks.

$$
\begin{aligned}
& 3 \times \ldots=24 \\
& 8 \times \ldots=64 \\
& 7 \times \ldots=14 \\
& \boxed{\times}=11=44 \\
& \times 9=54 \\
& 6 \times \ldots=24 \\
& 2 \times \ldots=14
\end{aligned}
$$

Draw lines to match the expressions.

| $4 \times 4$ | $16 \times 2$ |
| ---: | :--- |
| $8 \times 5$ | $6 \times 5+6 \times 2$ |
| $8 \times 4$ | $5 \times 5$ |
| $20+5$ | $8 \times 2$ |
| $9 \times 7$ | $6 \times 7-2$ |
| $6 \times 7$ | $50-1$ |
| $32 \div 4$ | $9 \times 6+2$ |
| $7 \times 7$ | $70-7$ |
| $8 \times 7$ | $2 \times 2 \times 2$ |

Complete the magic square.

| 14 | 5 | 1 | 7 |
| :---: | :---: | :---: | :---: |
| -1 |  | 8 | 13 |
|  |  | 8 |  |
| 8 | 11 |  | -2 |

Play: The first player plays her cards to form all or part of the improper fractions. Any number of cards may be played per turn and to any row. Example shows $7 / 2$ and $48 / 5$. The numerator and denominator may be played in either order.
The player completing a fraction takes the row, sets aside the basic number cards to be reused, and collects the fraction card.
A player unable to play forms a new mixed number by laying down one of his basic cards and one of the fraction cards from the stock.
Always keep at least two mixed numbers on the table; when a row
 is completed and collected, prepare new mixed numbers from the stock. Reuse the basic number cards if the stock becomes exhausted.

## F22.1 CORNERS WITH EIGHTHS

This is a fraction version of Corners Three (A38). The scoring is what makes this a fraction game; the numbers on the cards are considered to be eighths. The scoring provides practice in adding mixed numbers mentally.
Objective: To practice adding eighths and changing improper fractions to proper fractions without simplifying.
Number of players: Two to four.
Cards: The 50 Corners cards.
Layout: The stack of cards is placed face down on the table. Each player draws four cards initially and draws another card each time after playing a card. Players' cards are laid out face up in full view of all players.
Object of the game: To make the highest score.
Play: The rules of the game are the same as Corners Three (A38), except that the numbers on the cards are considered to be eighths.
Players do their own scoring. Most of the calculating can be done mentally. Following are some examples of scoring:

$$
\begin{aligned}
& \text { Initially joining a } 5 \text { and } 7: \frac{12}{8}=1 \frac{4}{8} \\
& \text { Next joining a } 7 \text { and } 8: \quad 1 \frac{4}{8}+\frac{15}{8}=1 \frac{19}{8}=3 \frac{3}{8} \\
& \text { Next joining a } 9 \text { and } 9: \quad 3 \frac{3}{8}+\frac{18}{8}=5 \frac{5}{8}
\end{aligned}
$$

## F22.2 CORNERS WITH TENTHS

This is a another fraction version of Corners Three (A38). For scoring the numbers on the cards are considered to be tenths. The game is played like Corners with Eighths (F22.1) except the numbers on the cards are tenths.

## F22.3 SUBTRACTION CORNERS WITH EIGHTHS

To play this Corners subtraction game, players start with a certain value and subtract their scores. The winner is the first player to reach zero or the player with the lowest score if no one can play. The game is played like Corners with Eighths (F22.1).
The initial scores are as follows:

| Number of players | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: |
| Initial score | 45 | 30 | 22 |

$\qquad$
Date: $\qquad$

For the problems below, use the tangrams shown to find the percentage asked for.
Use your percentage circle to show the answer, then record it below. Shade or hatch the circle so that it looks like
 the percentage circle answer.


What percentage of the tangrams are in the darker color? $\qquad$


What percentage of the tangrams are quadrilaterals?


What percentage of the tangrams have right angles?
$\qquad$


What percentage of the tangrams are polygons?


What percentage of the tangrams are triangles?


What percentage of the tangrams are rhombuses?
$\qquad$
$\qquad$
$\qquad$
$\qquad$
Date: $\qquad$


1. Which of the figures below are polygons? $\qquad$

2. Explain why the others are not polygons. $\qquad$

INFORMATION: A regular polygon has congruent sides and congruent angles.

3. Which pentagons above have all sides congruent? $\qquad$
4. Which pentagons above have all angles congruent? $\qquad$
5. Which pentagons above are regular pentagons? $\qquad$
6. What is another name for a regular triangle? $\qquad$
7. What is another name for a regular quadrilateral? $\qquad$
8. Which of the polygons in the first question are regular polygons? $\qquad$
$\qquad$

1. Draw the three views, top, front, and side, for a square pyramid that is 6 units high. The square base is 4 units on a side.

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3. Draw the three views for a cone that is 8 units tall. The diameter of the base is 4 units. The " $x$ " marks the center of the circle.

4. Draw the three views for the Problem 1 pyramid but now it is truncated so it is only 3 units high.

5. Draw the three views for the cone in Problem 3 but now it is truncated so it is now only 4 units tall. The " $x$ " marks the center of the circle.

$\qquad$
Date: $\qquad$

137-142. Draw lines to match each triangle by sides and angles.


143-145. Draw all the lines of symmetry in the figures below and answer the questions.


How many lines
of symmetry? $\qquad$


How many lines
of symmetry? $\qquad$


How many lines
of symmetry? $\qquad$

146-159. Fill in the blanks.
If you turn $360^{\circ}$, where will you end? $\qquad$
Name the angles in an isosceles right triangle.
What is special about the sides in an equilateral triangle. $\qquad$
How many angles does an hexagon have? $\qquad$
Can a rectangle also be a square? $\qquad$
Can a parallelogram be a square? $\qquad$
Can a polygon have only two sides? $\qquad$

How many inches are in 2 feet? $\qquad$
How many yards is 6 feet? $\qquad$
How many centimeters are in 2 decimeters? $\qquad$
How many decimeters are in a half a meter? $\qquad$
How many centimeters are in a meter? $\qquad$
How many milliliters are in a liter? $\qquad$
Which is longer, 3 feet or 1 meter? $\qquad$

