Summer 2023

Dear Incoming 5th Grade Parents,

The mission of the Southeast Delco School District is to develop, motivate and inspire all students through a partnership of success. It can be said, without hesitation, that the best way to become a lifelong learner is to continue to have a growth mindset and learn as much as possible!

Why Can't I Skip My 20 Minutes of Reading Tonight?

Student "A" reads 20 minutes each day — 3600 minutes in a school year — 1,800,000 words — 90th percentile

Student "B" reads 5 minutes each day — 900 minutes in a school year — 282,000 words — 50th percentile

Student "C" reads 1 minute each day — 180 minutes in a school year — 8,000 words — 10th percentile

By the end of 6th grade Student "A" will have read the equivalent of 60 whole school days. Student "B" will have read only 12 school days. Which student would you expect to have a better vocabulary? Which student would you expect to be more successful in school…and in life? (Nagy & Herman, 1987)

The 5th grade teachers at Harris want to ensure that every student is encouraged to continue his or her habit of spending time reading each day while enjoying the Summer. Looking at the data to the left, spending just 20 minutes of reading time each day will make a dramatic difference in your child's success in the upcoming school year.

To help, we are providing you with a list of suggested books for incoming 5th graders, reading comprehension questions that you can have your child to complete in a notebook (2 per day), and a daily reading log to help your child keep track of their reading. Completion of the daily log, as well as the comprehension questions, will help in holding your child accountable to reading and writing each day. It will also be a great way to show your child's new teacher all of the reading that he or she enjoyed over the Summer. All your child will need to complete these activities is a notebook and access to books!

Additionally, the 5th grade teachers at Harris have included a Summer Math Packet. NASA mathematician Katherine Johnson once said, "I had a very, very interesting childhood, but, oh my, education was the primary focus in our family." Please have your child complete one section each week to keep their math skills sharp for the upcoming school year!

Thank you for being a partner with the Harris School community in encouraging your child to discover the value and enjoyment in reading as well as the importance of math in their daily lives! Please note: These Summer Reading and Math activities are not meant to be a source of stress for families over the Summer. The Harris 5th grade teachers want each incoming student to give their best effort and complete the activities to the best of their ability! Demonstrating effort is paramount! Have a safe and relaxing Summer! We look forward to welcoming your child to the 5th grade on September 5th!

The Harris 5th Grade Teachers

5th Grade Summer Reading List

FANTASY & SCI-FI

Pahua and the Soul Stealer by Lori Lee
Area 51 Interns: Alien Summer by James S. Murray and Carsen Smith
Charlie Hernandez and the League of Shadows by Ryan Calejo
Amari and the Night Brothers by B.B. Alston
The Endling: The Last by Katherine Applegate
Masterminds by Gordon Korman
Escape from Atlantis by Kate O'Hearn
Barb The Last Berzerker by Dan & Jason
5 Worlds by Mark Siegel, Alexis Siegel, Xanthe Bouma, Matt Rockefeller, and Boya Sun
Skyborn Sparrow Rising by Jessica Khoury
Skyriders by Polly Holyoke

ADVENTURE

Green Lantern Legacy by Minh Le
Charlie Thorne and the Last Equation by Stuart Gibb
Explorer Academy by Trudi Trueit
Alone by Megan E Freeman

The Supervillain's Guide to Being a Fat Kid by Matt Wallace
The Unforgettable Logan Foster by Shawn Peters
Miles Morales: Shock Waves by Justin A. Reynolds & Pablo Leon

MYSTERY

Space Case by Stuart Gibbs
Framed! A T.O.A.S.T. Mystery by James Ponti
The Screaming Staircase by Jonathan Stroud
Nooks and Crannies by Jessica Lawson
The Frame-Up by Wendy McLeod MacKnight
The Case of the Left-Handed Lady by Nancy Springer
Winterhouse by Ben Guterson

FUNNY

Once Upon a Tim by Stuart Gibbs
Crabgrass Comic Adventures by Tauhid Bondia

The Worst Class Trip Ever by Dave Barry
Belly Up by Stuart Gibbs
The Last Kids on Earth by Max Brallier
Pie in the Sky by Remy Lai

NONFICTION

Rise Up: Ordinary Kids With Extraordinary Stories by Amanda Li
Ostriches: The Superpower Field Guide by Rachel Poliquin
Two Truths and a Lie by Ammi-Joan Paquette and Laurie Ann Thompson
A Brief History of Underpants by Christine Van Zandt
The Thrifty Guide to Ancient Rome by Jonathan Stokes
Human Body Learning Lab by Betty Choi, M.D.
Almanac 2023 National Geographic Kids
The Biggest Stuff in the Universe by Mr. DeMaio
Wild Life! by Re:Wild and Syd Robinson

HISTORICAL FICTION

A Place to Hang the Moon by Kate Albus
Lifeboat 12 by Susan Hood
Prairie Lotus by Linda Sue Park
Brother's Keeper by Julie Lee
Pony by R.J. Palacio
Loyalty by Avi
The War That Saved My Life by Kimberly Brubaker Bradley

ANIMAL STORIES

Cress Watercress by Gregory Maguire
Katie the Catsitter by Colleen AF Venable
Always Clementine by Carlie Sorosiak
The One and Only Ivan by Katherine Applegate
Mrs. Frisby and the Rats of NIMH by Robert C. O'Brien
Unusual Chickens for the Exceptional Poultry Farmer by Kelly Jones
A Whale in the Wild by Rosanne Parry

REALISTIC

Measuring Up by Lily LaMotte
Roll with It by Jamie Sumner
A Duet for Home by Karina Yan Glaser
Unteachables by Gordon Korman
Isaiah Dunn is My Hero by Kelly J. Baptist
The Boy Who Made Everyone Laugh by Helen Rutter
New Kid by Jerry Craft
From the Desk of Zoe Washington by Janae Marks
Not an Easy Win by Chrystal B. Giles

Comprehension Questions for Fiction Books

~ Give me a brief summary of the story.

~ Tell me the main idea or main lesson from this story.

~ What was _____'s (character) purpose when he/she _____ (action) in the story. Use details from the story in your answer.

~ Name two reasons why (name 2-3 characters from the story) agree or disagree about _____. What is your opinion about this issue?

~ Using details from the story, name two character traits that describe _____ (name of character).

~ Use details from the story to describe the relationship between _____ and _____ (characters from the story).

~ Describe _____'s actions in the story. How does this person's actions affect how the story ends?

~ Come up with an other title for this story, and explain why it is a good title for the story.

~ What does _____ (sentence) mean in this book? How do you know?

Comprehension Questions for Non-Fiction Books

~ What is this book about? What do you think the author wanted you to learn from reading it?

~ What's the main idea from this book? Use details from the text to explain why this is the main idea.

~ Explain how _____ works. How do you know?

~ Name at least 2 characteristics of _____ Use details from the book in your answer.

~ Name at least 2 text features used in this book. Explain how these text features supported your understanding of the text.

~ Name three ways the text says _____ can happen.

~ Explain the process of _____. Use details from the book to support your answer.

~ What would happen if the steps in _____ (process) happened out of order?

~ What does _____ (vocabulary word) mean? How do you know?

~ What does _____ (phrase or sentence from the text) mean? How do you know?

~ What caused _____ to happen?

~ What effect did _____ have on _____?

name: _____   future class: _____

Harris 5th Grade Summer Reading Log

JULY	book title	minutes read	parent initials
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

name: _____   future class: _____

Harris 5th Grade Summer Reading Log

August	book title	minutes read	parent initials
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

Summer Math Program
Fifth Grade
Week 1

Fast Facts
See how many you can do in one minute!

4 x 5 = _____	63 ÷ 7 = _____	7 x 3 = _____	24 ÷ 2 = _____
6 x 7 = _____	18 ÷ 3 = _____	3 x 8 = _____	49 ÷ 7 = _____
3 x 9 = _____	25 ÷ 5 = _____	4 x 7 = _____	56 ÷ 8 = _____
8 x 8 = _____	72 ÷ 9 = _____	3 x 6 = _____	32 ÷ 4 = _____
9 x 8 = _____	48 ÷ 6 = _____	6 x 6 = _____	36 ÷ 6 = _____

Decimals and Fractions

1. Nancy ate 1/3 of a pizza and Gabe ate 1/4 of the pizza. How much of the whole pizza is left?

A. $\frac{7}{12}$

B. $\frac{5}{12}$

C. $\frac{2}{7}$

D. $\frac{6}{7}$

2. Choose the correct answer for this problem: $\frac{7}{9} - \frac{3}{8}$

A. $\frac{10}{17}$

B. $\frac{29}{72}$

C. $\frac{56}{27}$

D. $\frac{21}{72}$

Problem Solving

1. Andrew's family is going on vacation across the United States. They traveled 515 miles every day for 17 days. How many miles did they travel in all? Explain your answer.

Work Space   Explanation

_____

_____

_____

Geometry Time

1. What is the measure of angle y? (Do NOT use a protractor to find your answer.)

_____
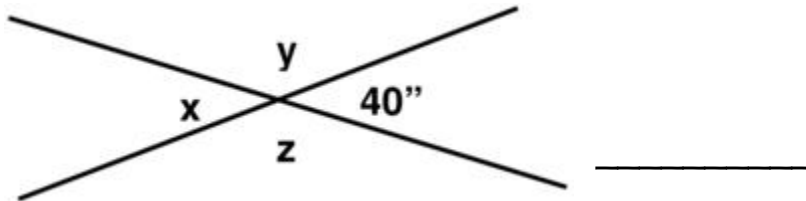
2. Skip reads the juice bottle label and finds that it contains 1.89 liters of juice. His cup only holds 240 milliliters so he wants to convert 1.89 liters to milliliters. The bottle contains how many milliliters?

Number Operations

1. Find the prime factorization for the number 48 expressed in exponential notation.
   a. 31 x 24
   b. 6 x 81
   c. 3 x 24 x 4
   d. 3 x 22 x 4

Web Links

Try these web sites for additional practice and interactive learning!

- Math Magician Games (math fluency)
  http://resources.oswego.org/games/mathmagician/cathymath.html
- EduPlace Math eGames – Math Lingo (math vocabulary)
  http://www.eduplace.com/kids/mw/swfs/mathlingo_grade5.html

Fast Facts

See how many you can do in one minute!

6 x 6 = _____   4 x 4 = _____   9 x 12= _____   5 x 9 = _____

9 x 4 = _____   4 x 3 = _____   0 x 5 = _____   12 x 9 = _____

8 x 10= _____   3 x 11= _____   6 x 9 = _____   4 x 5 = _____

2 x 6 = _____   8 x 6 = _____   9 x 4 = _____   7 x 8 = _____

6 x 9 = _____   10 x 7= _____   4 x 11= _____   9 x 1 = _____

Decimals and Fractions

1. Which point on the number line below best represents 1.75?

   a. Point A
   b. Point B
   c. Point C
   d. Point D
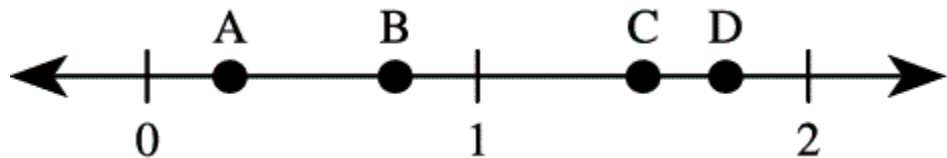
2. Choose the equation that is NOT true.

   a. $\dfrac{1}{2} + \dfrac{3}{8} = \dfrac{7}{8}$

   b. $\dfrac{1}{6} + \dfrac{5}{12} = \dfrac{7}{12}$

   c. $\dfrac{3}{10} - \dfrac{23}{100} = \dfrac{7}{100}$

   d. $\dfrac{8}{10} - \dfrac{3}{5} = \dfrac{2}{5}$

3. Place these two fractions on the two number lines below to show why they are equivalent. $\dfrac{6}{8}$ $\dfrac{3}{4}$

Factors and Multiples

1. I am a factor of 36 and a multiple of 3. What number am I? _____

2. My number is a multiple of 5. It is less than 100 and has a factor of 6. What is my number? _____

Problem Solving

1. There are 168 lunches to be shared equally among 3 fourth-grade classes. How many lunches will go to each class? Explain your answer.

Work Space   Explanation

_____

_____

_____

Geometry Time

1. Which geometric figure is shown here? _____
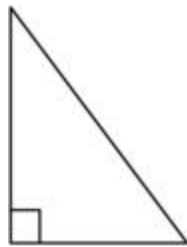
Web Links

Try these web sites for additional practice and interactive learning!

- Cash out (making change game)
  http://www.mrnussbaum.com/cashout/index.html
- Raceway Number Values
  http://www.abcya.com/comparing_number_values.htm

Fast Facts

See how many you can do in one minute!

6 x 6 = _____   4 x 4 = _____   9 x 12 = _____   5 x 9 = _____

9 x 4 = _____   4 x 3 = _____   0 x 5 = _____   12 x 9 = _____

8 x 10 = _____   3 x 11 = _____   6 x 9 = _____   4 x 5 = _____

2 x 6 = _____   8 x 6 = _____   9 x 4 = _____   7 x 8 = _____

6 x 9 = _____   10 x 7 = _____   4 x 11 = _____   9 x 1 = _____

Fractions and Decimals

1. Complete each table.

Division	Improper Fraction	Mixed Number
18 ÷ 4	$\frac{18}{4}$	
20 ÷ 3		$6\frac{2}{3}$
	$\frac{12}{5}$	

Division	Improper Fraction	Mixed Number
	$\frac{23}{6}$	
		$5\frac{1}{6}$
15 ÷ 5		

2. Write the following fractions in order from least to greatest:

$$\frac{11}{3} \qquad \frac{1}{6} \qquad 1\frac{2}{3}$$

_____

3. Write the following fractions in order from greatest to least.

$$1\frac{1}{4} \qquad \frac{9}{4} \qquad \frac{3}{4}$$

_____

Area and Perimeter

1. Christina had a rectangular garden with a perimeter of 36 feet. The fence surrounding it was falling down on one of the short sides (width). If the length of the garden was 10 feet, how many feet of fence did she need to replace the broken portion (width) of the fence?

Width = ? ft.

Perimeter = 36 ft.

Length = 10 ft.

_____
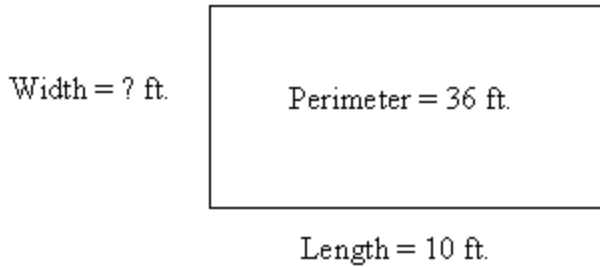
2. Find the perimeter of each polygon.

8 m

6 yd

2 yd

3 cm

_____   _____   _____
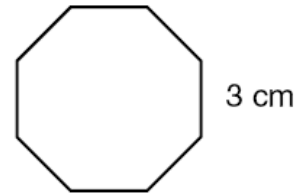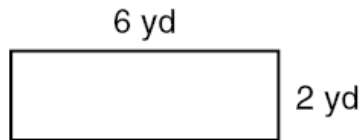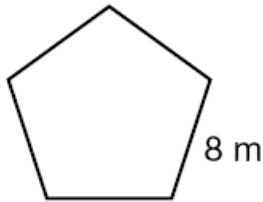
Problem Solving

1. Paper is delivered in cartons of 48 packs of paper each. If the store orders 624 packs of paper, how many cartons will they receive? Explain your answer.

Work Space

Explanation

_____

_____

_____

Web Links
Try these web sites for additional practice and interactive learning!

- Math Playground Grand Slam Word Problems
  http://www.mathplayground.com/GrandSlamMath2.html
- EduPlace Brain Teasers
  http://www.eduplace.com/kids/mw/bt/bt_4.html

Summer Math Program
Entering Fifth Grade
Week 4

Fast Facts
See how many you can do in one minute!

9 x 6 = _____   7 x 8 = _____   9 x 12= _____   9 x 9 = _____

5 x 4 = _____   8 x 9 = _____   8 x 5 = _____   12 x 3 = _____

6 x 12= _____   7 x 12= _____   7 x 9 = _____   4 x 9 = _____

12 x 3= _____   8 x 6 = _____   9 x 4 = _____   7 x 8 = _____

6 x 11 = _____   12 x 7= _____   4 x 12= _____   9 x 5 = _____

Fractions and Decimals

1. Which number is an improper fraction?

a. $\frac{11}{12}$

b. $\frac{5}{8}$

c. $\frac{8}{5}$

d. $\frac{6}{7}$

2. Locate and label this fraction on the number line. Then write it as a mixed number:

$$\frac{5}{4}$$

3. Write a mixed number between 0 and 2. Show where it is on the number line. Then write an improper fraction that is equivalent to the mixed number.

Area and Perimeter

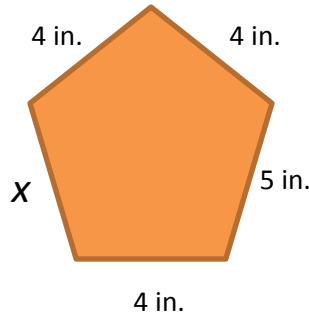*Find the missing side when the perimeter or area is given.*

1.

3 m

Area = 30 m^2

x

$X = $ _____

2.

4 in.   4 in.   Perimeter = 22 in.

x 5 in.

4 in. $X = $ _____
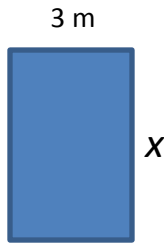
2. The perimeter of a regular octagon is 32 in. What is the length of one side of the octagon?

        a. 32 in.
        b. 8 in.
        c. 24 in.
        d. 4 in.

3. A rectangular lawn is 45 **feet** long and 30 **yards** wide. Find the perimeter in feet. Then find the perimeter in yards.

_____

_____

Factors and Numbers

1. Which of the following is NOT true about prime numbers?

    a. They have exactly two factors
    b. One is a factor of every prime number
    c. No prime numbers end in zero
    d. All prime numbers are odd numbers.

Web Links

Try these web sites for additional practice and interactive learning!

- Lemonade Stand – interactive site with economics in mind
  http://www.lemonadestands.com/
- Double Digit Multiplication Game
  http://www.mathplayground.com/multiplication05.html

Summer Math Program
Entering Fifth Grade
Week 5

Fast Facts
See how many you can do in one minute!

4 x 5 = _____   63 ÷ 7 = _____   7 x 3 = _____   24 ÷ 2 = _____

6 x 7 = _____   18 ÷ 3 = _____   3 x 8 = _____   49 ÷ 7 = _____

3 x 9 = _____   25 ÷ 5 = _____   4 x 7 = _____   56 ÷ 8 = _____

8 x 8 = _____   72 ÷ 9 = _____   3 x 6 = _____   32 ÷ 4 = _____

9 x 8 = _____   48 ÷ 6 = _____   6 x 6 = _____   36 ÷ 6 = _____

Fractions and Decimals

1. The distance from home to school is 7/8 of a mile for Amy and 4/8 of a mile for Tom.
How much farther does Amy walk than Tom?   _____

2. Solve the following problems:

$$\frac{3}{4}+\frac{2}{4}=$$ $$\frac{3}{4}-\frac{2}{4}=$$ $$\frac{8}{12}-\frac{1}{4}=$$ $$\frac{8}{12}+\frac{1}{4}=$$

3. Solve for the unknown in this equation:

$$\frac{2}{4}+n=\frac{3}{4}$$ n = _____

4. Add or subtract these decimals:

```
   3.32        2.126       $26.50        7.81        6.32
  -0.61       +5.12       - 17.25       +9.20       -4.61
```

Place Value

Answer the following questions about place value. Use the Place Value Chart to assist you if needed.

Place Value Chart

Billions			Millions			Thousands			Ones		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones

Write each number in short word form.

1. 200,000,000 + 30,000,000 + 400,000 + 50,000 + 1,000

   _____

Write each number in standard form.

2. 100,000,000 + 80,000,000 + 5,000,000 + 300,000 + 20,000 + 8,000

   _____

Write each number in expanded form.

3. 463 million, 342 thousand, 705

   _____

Write each number in word form.

4. 715,413,068 _____

_____

Write the place of the 2 in each number. Then write its value.

5. 21,547   **6.** 54,285   **7.** 67,902

_____   _____   _____

_____   _____   _____

Compare. Write >, <, or = for each ◯.

1. 3,471 ◯ 3,452   **2.** 40,283 ◯ 40,567   **3.** 1,042,639 ◯ 1,042,639

4. 67,452,105 ◯ 76,021   **5.** 201,000,001 ◯ 201,002,799

Web Links

Try these web sites for additional practice and interactive learning!

- Extra practice for place value and addition/subtraction
  http://www.eduplace.com/kids/mw/practice/5/ep5_01.html
- Escape from Fraction Manor
  http://www.mathplayground.com/HauntedFractions/HFGameLoader.html

Summer Math Program
Entering Fifth Grade
Week 6

Fast Facts
See how many you can do in one minute!

5 x 9 = _____   49 ÷ 7 = _____   6 x 4 = _____   24 ÷ 3 = _____

5 x 6 = _____   18 ÷ 6 = _____   3 x 12= _____   42 ÷ 7 = _____

8 x 4 = _____   20 ÷ 5 = _____   4 x 9 = _____   56 ÷ 8 = _____

4 x 7 = _____   72 ÷ 8 = _____   8 x 6 = _____   48 ÷ 4 = _____

2 x 9 = _____   48 ÷ 12 = _____   9 x 9 = _____   66 ÷ 6 = _____

Dazzling Decimals

Add or subtract.

1. 4.5 +3.8

2. 4.8 −2.5

3. $20.84 + 15.35

4. $47.81 − 39.19

5. 6.80 +5.78

6. $35.46 − 19.83

7. 6.841 +8.304

8. 56.37 −24.18

9. $89.21 + 49.53

10. 8.245 −6.176

11. $41.38 − 30.47

12. 8.124 +9.234

13. 67.17 −49.25

14. $74.17 + 63.42

15. 78.03 −51.58

16. Alan lives 2.48 kilometers from school. Warren lives 3.19 kilometers from school. How much farther from school does Warren live?

_____

Excellent Estimates

Round each number to the nearest ten. Then estimate.

1. $246 + 148$

2. $324 - 213$

3.
$$\begin{array}{r} 851 \\ +189 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 12{,}309 \\ +\ 7{,}627 \\ \hline \end{array}$$

_____

_____

Estimate each product.

5.
$$\begin{array}{r} 26 \\ \times 12 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 284 \\ \times\ 27 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 4{,}681 \\ \times\quad 31 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$7.86 \\ \times\quad 21 \\ \hline \end{array}$$

9. $34 \times 19 =$ _____

10. $58 \times 4{,}130 =$ _____

11. $24 \times 78 =$ _____

Use the following Bake Sale table and information to solve. Tell whether you need an exact or an estimate for your answer.

The Hillsboro Elementary School had a bake sale to raise money for their class trip. The table shows how many of each item were sold.

1. Were there more than 400 items sold at the bake sale?

_____

2. How many brownies and cookies were sold altogether?

_____

Bake Sale	
Item	Number Sold
Brownies	76
Cookies	135
Muffins	107
Banana Bread	85

3. The students earned $214 selling muffins and $127.50 selling banana bread. About how much money is that?

_____

4. The students raised a total of $628.50 with this bake sale. About how much more do they need to reach their goal of $1,500?

_____

Web Links
Try these web sites for additional practice and interactive learning!

- Extra practice for probability/algebra and graphing
  http://www.eduplace.com/kids/mw/practice/4/ep4_08.html
- Alien Angles
  http://www.mathplayground.com/alienangles.html

Exciting Extras
The following resources are to help your mathematician with fractions and math fluency. Please use the fraction strips (last page) to compare fractions (e.g., ¾ is bigger than ½ but smaller than 5/6), find equivalent fractions (e.g., 5/10 is equal to ½ which is equal to 3/6), and for familiarity with how big or little fractions are relative to one whole. The link below takes you to a website for age-appropriate flashcards you can print and use to practice math fluency. Enjoy!!

http://www.helpingwithmath.com/resources/oth_flashcards.htm

Fraction Strips

1 Whole

$\frac{1}{2}$	$\frac{1}{2}$

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

Summer Math Program
Entering Fifth Grade
Week 7

Fast Facts
See how many you can do in one minute!

72 ÷ 12	1 × 10	9 ÷ 3	12 ÷ 1	1 × 7	8 × 8	4 × 3	9 ÷ 9	24 ÷ 3	7 ÷ 1
24 ÷ 8	1 × 6	28 ÷ 4	4 × 11	77 ÷ 11	5 × 10	11 × 5	11 × 12	66 ÷ 11	11 × 3
4 ÷ 2	10 × 7	6 × 7	96 ÷ 12	12 × 6	3 ÷ 1	9 × 6	10 × 10	18 ÷ 3	1 × 6

Fractions & Decimals

1. On the strips below, shade and label the following fractions:

$$\frac{2}{3} \qquad \frac{4}{6} \qquad \frac{8}{12}$$

2. How many twelfths is equal to five-sixths? _____

3. How many eighths is equal to one-fourth? _____

4. Explain the relationship between eighths and fourths. Draw a picture to aid your explanation. _____

_____

5. How is thirteen hundredths written in standard form?   _____

6. Which number is the same as one fourth?

    a. 0.4
    b. 0.04
    c. 0.25
    d. 0.75

7. Which number is the same as 0.5?

    a. one half
    b. 5/1
    c. five hundredths
    d. 5/1000

8. Write one-tenth and one-hundredth in decimal form.

    _____   _____

Marvelous Multiples

A *multiple* is the product of two integers. To find the multiples of a certain number, multiply that number by every integer, starting with 1.
Example: Multiples of 10 are 10, 20, 30, 40, 50, and so on.

Find multiples of each number by filling in the circles.

1. Multiples of 4 ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯

2. Multiples of 6 ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯

3. Multiples of 8 ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯

4. Multiples of 9 ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯

Answer the following questions about factors and multiples.

1. Which of the following numbers is a multiple of 8?
   a. 18
   b. 28
   c. 44
   d. 56

2. The following are all multiples of a one-digit number: 12, 24, 30, 42. Identify the one-digit factor common to each multiple.
   a. 5
   b. 6
   c. 7
   d. 8

3. Which of the following sets of numbers are all multiples of 7?
   a. 35, 47, 52
   b. 35, 36, 37
   c. 35, 42, 49
   d. 37, 47, 57

4. Al sees this sign at a copy center. What is the least number of copies Al can make without losing any money?

_____

1. Copies cost 10¢ each.

2. Copy machines only take quarters.

3. Copy machines do NOT make change.
   If you make 1 copy, you will NOT get 15¢ back.

Web Links
Try these web sites for additional practice and interactive learning!

- Math Fact Practice!
  http://www.playkidsgames.com/games/mathfact/mathFact.htm
- e-learning For Kids
  http://www.e-learningforkids.org/courses.html#math

Fast Facts

See how many you can do in one minute!

9 × 8	3 ÷ 1	2 × 3	48 ÷ 6	121 ÷ 11	66 ÷ 6	2 × 11	20 ÷ 2	80 ÷ 8	1 ÷ 1
99 ÷ 9	11 × 12	3 × 9	12 × 6	6 ÷ 3	8 × 1	12 × 2	11 × 10	10 × 12	10 × 2
24 ÷ 12	40 ÷ 10	9 × 4	5 × 3	22 ÷ 2	50 ÷ 5	54 ÷ 6	81 ÷ 9	16 ÷ 2	12 × 1

Fractions in Action

1. Describe the difference between an improper fraction and a mixed number.

_____

_____

Write each improper fraction as a mixed number or a whole number.

2. $\frac{11}{6}$ _____   **3.** $\frac{13}{5}$ _____   **4.** $\frac{7}{4}$ _____   **5.** $\frac{12}{6}$ _____   **6.** $\frac{15}{2}$ _____

Write each mixed number as an improper fraction.

7. $2\frac{1}{3}$ _____   **8.** $3\frac{4}{5}$ _____   **9.** $4\frac{2}{3}$ _____   **10.** $5\frac{1}{6}$ _____   **11.** $2\frac{4}{5}$ _____

For each of the following improper fractions, write it as a mixed number and draw a picture to show your understanding.

1. $\frac{13}{2}$ ____   2. $\frac{9}{3}$ ____   3. $\frac{7}{3}$ ____

Delightful Division

1. $4\overline{)3{,}124}$ **2.** $2\overline{)5{,}317}$ **3.** $3\overline{)\$2{,}145}$ **4.** $5\overline{)8{,}628}$

5. $2\overline{)1{,}572}$ **6.** $6\overline{)\$120.90}$ **7.** $8\overline{)3{,}648}$ **8.** $7\overline{)\$12{,}348}$

OLYMPIC GRAPHS

As of August 1, 2012, the number of gold medals one by popular countries included: China-15, United States-10, South Korea-5, France-5, Germany-3, and Japan-2. Create a table and a bar graph to show this information. In both the table and graph, include a title and labels. On the graph, include an even interval.

Web Links

Try these web sites for additional practice and interactive learning!

- Math Live
  http://www.learnalberta.ca/content/me5l/html/math5.html
- Learn Your Tables
  http://www.learnyourtables.co.uk/

Fast Facts

See how many you can do in one minute!

$22 \div 2$	$72 \div 6$	$18 \div 3$	3×10	2×2	4×5	8×5	1×1	$56 \div 8$	6×10
5×6	5×3	$72 \div 8$	2×10	3×11	$30 \div 10$	$36 \div 4$	1×8	3×5	7×2
$70 \div 7$	4×2	$40 \div 10$	2×6	8×5	$45 \div 9$	$90 \div 10$	$10 \div 2$	12×3	11×1

Fractions & Decimals

1. Order the fractions by placing them on the number line.

$$\frac{1}{6}, \quad \frac{1}{2}, \quad 1\frac{3}{4}, \quad 1\frac{1}{3}, \quad \frac{11}{12}$$

```
|-----------------------|-----------------------|
0                       1                       2
```

$$1\frac{1}{2}, \quad \frac{5}{8}, \quad \frac{1}{4}, \quad 1\frac{11}{12}, \quad 1\frac{1}{4}$$

```
|-----------------------|-----------------------|
0                       1                       2
```
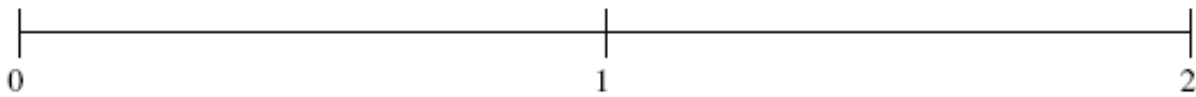
Divide and check.

1. $3\overline{)6.3}$ _____   2. $6\overline{)1.8}$ _____   3. $8\overline{)20.8}$ _____   4. $6\overline{)31.2}$ _____

5. $38.4 \div 4$ _____   6. $43.5 \div 5$ _____   7. $34.8 \div 6$ _____   8. $77.4 \div 9$ _____

Marvelous Multiplication

Multiply the whole numbers below by using the Distributive Property. (Multiply the tens and ones places separately then add the products.)

$35 \times 2 = 30 \times 2 + 5 \times 2 = 60 + 10 = 70$

$67 \times 2 = \underline{} \times 2 + 7 \times 2 = 120 + 14 = 134$

$29 \times 6 = \underline{} \times 6 + \underline{} \times 6 = 120 + 54 = 174$

$18 \times 6 = \underline{} \times 6 + \underline{} \times 6 = \underline{} + 48 = 108$

$69 \times 2 = \underline{} \times 2 + \underline{} \times 2 = \underline{} + \underline{} = 138$

$97 \times 7 = \underline{} \times 7 + \underline{} \times 7 = \underline{} + \underline{} = \underline{}$

Web Links

Try these web sites for additional practice and interactive learning!

- Spider Match

  http://www.mathplayground.com/ASB_SpiderMatchIntegers.html

- Find a Friend

  http://www.eduplace.com/kids/mw/swfs/faf_grade5.html

Fast Facts

See how many you can do in one minute!

81 ÷ 9	10 ÷ 2	7 × 1	10 ÷ 5	18 ÷ 9	12 × 1	6 × 1	7 ÷ 7	7 ÷ 7	2 × 5
11 × 10	6 × 9	110 ÷ 11	3 × 8	28 ÷ 4	4 × 12	30 ÷ 6	2 ÷ 1	20 ÷ 5	8 × 2
9 × 12	42 ÷ 6	12 ÷ 1	1 × 2	60 ÷ 12	18 ÷ 3	48 ÷ 8	12 × 5	2 × 9	4 × 5

Knowing Numbers

Write all the factors of each number. Then identify the number as *prime* or *composite*.

1. 9 _____

2. 37 _____

3. 21 _____

4. 32 _____

5. 41 _____

6. 36 _____

7. 33 _____

8. 19 _____

9. 11 _____

Divide, Divide, Divide!

Divide.   Check with multiplication.

1. 80)‾24,000   2. 80)‾960   3. 30)‾2,700   4. 80)‾56,000

Solve for the variables.

$48 \div p = 8$ $8 \div p = 8$ $10 \div c = 5$ $m \div 4 = 5$

$35 \div d = 5$ $j \div 5 = 8$ $z \div 5 = 9$ $54 \div c = 9$

$54 \div w = 6$ $t \div 8 = 1$ $32 \div e = 4$ $y \div 2 = 4$

MEANT TO MEASURE!

Measure the length to the nearest centimeter and millimeter.

1.

2.

_____   _____

3.

4.

_____   _____

What unit of measurement would you use to find the weight of a watermelon? _____

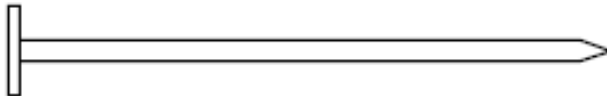What unit of measurement would you use to find the length of a car? _____

What unit of measurement would you use to find the volume of a juice pitcher? _____

Measure to the nearest inch, half inch, and quarter inch.

1.

_____

2.

_____

3.

_____

4.

_____

Web Links
Try these web sites for additional practice and interactive learning!

- Cool Math
  http://www.coolmath.com/
- Primary Games
  http://www.primarygames.com/math.php