



Getting Ready For 6th Grade

SUMMER MATH Review



NAME: _____

Name: _____

Adding & Subtracting Fractions

with Unlike Denominators

a. $\frac{5}{8} + \frac{1}{4} =$

b. $\frac{6}{10} - \frac{2}{5} =$

c. $\frac{8}{12} - \frac{3}{6} =$

d. $\frac{2}{3} + \frac{4}{9} =$

e. $\frac{4}{5} + \frac{8}{10} =$

f. $\frac{3}{4} - \frac{2}{3} =$

g. $\frac{4}{9} - \frac{1}{3} =$

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

i. $\frac{3}{5} + \frac{1}{3} =$

j. $\frac{1}{2} - \frac{1}{5} =$

k. $\frac{5}{6} - \frac{1}{2} =$

l. $\frac{1}{2} + \frac{1}{3} =$

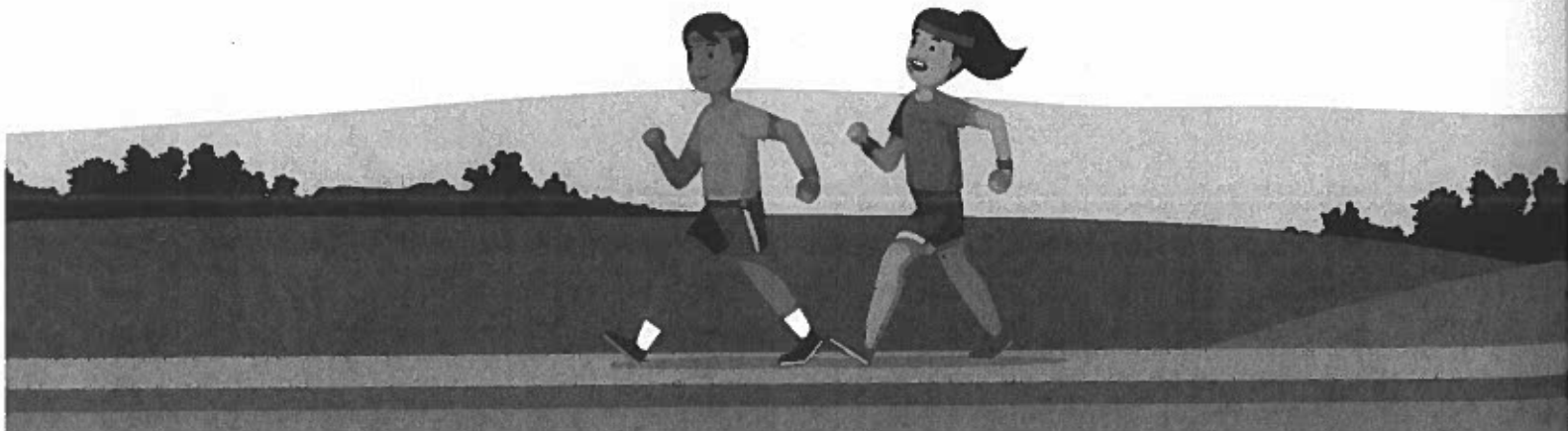
Answer each question.

Georgetown Skating Rink held a public skating session on Saturday. They sold 78 adult tickets for \$8 each and 129 children's tickets for \$6 each. How much money did the rink make in all?

Jeff takes the train from Boston to Baltimore. The route is 416 miles long one-way. If Jeff goes to Baltimore and back 3 times, how many miles will he travel?

Izzy's Craft Studio offers necklace-making classes. There are 3 classes each week, with 28 students in each class. Each student is given 50 beads to make a necklace. How many total beads are given out each week?

Mr. Aiken gave his class a reading challenge last week. The students could pick between two books: a 225-page novel or a 198-page book of short stories. If 18 students read the novel and 12 students read the book of short stories, how many total pages did the class read?



Name: _____

Unlike Denominators

Mixed Number Subtraction

a. $12\frac{1}{2} - 7\frac{1}{4} =$ _____

b. Subtract $3\frac{3}{8}$ from $6\frac{3}{4}$.

c. Jaliyah made a salad with $2\frac{1}{3}$ bags of romaine lettuce and $2\frac{5}{6}$ bags of iceberg lettuce. How many more bags of iceberg lettuce did Jaliyah use than romaine lettuce?

Show your work.

answer: _____

d. At the farmer's market, Lang bought $3\frac{2}{5}$ pounds of broccoli and $2\frac{1}{2}$ pounds of carrots. How many more pounds of broccoli did Lane buy than carrots?

Show your work.

answer: _____

e. Subtract $2\frac{1}{12}$ from $5\frac{1}{3}$.

f. $2\frac{4}{9} - 1\frac{1}{3} =$ _____

2 Place value

Let's Learn!

Numbers are made up of digits. The **value** of each digit depends on its **place**. You can use a place value chart to find the place and value of each digit. For example, look at the chart for 4,862,915 below.

Millions		Hundred thousands	Ten thousands	Thousands		Hundreds	Tens	Ones
4	,	8	6	2	,	9	1	5

Circle the digit in the thousands place.

⑤,448

3,481,966

23,481

178,931

Circle the digit in the ten-thousands place.

228,384

6,484,281

2,234,725

48,276

Circle the digit in the hundred-thousands place.

7,285,395

948,285

164,481

2,528,947

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Name: _____

2-Digit Divisors, Single-Digit
Quotients; Remainders

Long Division



a. $21 \overline{)130}$

b. $36 \overline{)329}$

c. $25 \overline{)204}$

d. $70 \overline{)421}$

e. $25 \overline{)225}$

f. $42 \overline{)171}$

g. $91 \overline{)551}$

h. $23 \overline{)140}$

- i. Vikki works at a stuffed animal factory. She has 212 stuffed penguins and 53 boxes. Each box needs to have the same number of stuffed animals. How many penguins will she put in each box?

Show your work and label your answer.

Let's Learn!

When you add decimals, start by lining up the decimal points. Then add! Remember to bring down the decimal point into your answer.

$$\begin{array}{r} 8.41 \\ + 2.23 \\ \hline 10.64 \end{array}$$

Add.

$$\begin{array}{r} 1 \\ 4.85 \\ + 1.34 \\ \hline 6.19 \end{array}$$

$$\begin{array}{r} 47.6 \\ + 13.5 \\ \hline \end{array}$$

$$\begin{array}{r} 62.9 \\ + 8.3 \\ \hline \end{array}$$

$$\begin{array}{r} 29.36 \\ + 73.61 \\ \hline \end{array}$$

$$\begin{array}{r} 9.89 \\ + 0.57 \\ \hline \end{array}$$

$$\begin{array}{r} 16.71 \\ + 24.43 \\ \hline \end{array}$$

$$\begin{array}{r} 93.33 \\ + 52.47 \\ \hline \end{array}$$

$$\begin{array}{r} 60.72 \\ + 35.41 \\ \hline \end{array}$$

$$\begin{array}{r} 24.61 \\ + 77.38 \\ \hline \end{array}$$

$$\begin{array}{r} 120.17 \\ + 372.07 \\ \hline \end{array}$$

$$\begin{array}{r} 255.08 \\ + 95.35 \\ \hline \end{array}$$

Name: _____

4-Digit Dividends
and 2-Digit Divisors

Long Division



a. $66 \overline{) 4,281}$

b. $20 \overline{) 6,062}$

c. $21 \overline{) 5,805}$

d. $27 \overline{) 3,012}$

e. $17 \overline{) 3,016}$

f. $11 \overline{) 5,610}$

g. $26 \overline{) 6,442}$

h. $12 \overline{) 1,449}$

- i. Carly has a seashell collection. She has 1,596 shells in her collection. She stores the shells in special boxes, each of which has 12 compartments. She keeps one shell in each compartment. How many boxes does she use to store her seashell collection?

Show your work and label your answer.

Name: _____

Multiplication

a. $465 \times 17 =$ _____

- b. A restaurant ordered 32 cases of ketchup packets. There are 225 packets in each case. How many ketchup packets did the restaurant order in all?

Show your work.

answer: _____

c.

$$\begin{array}{r} 739 \\ \times 86 \\ \hline \end{array}$$

- d. A cupcake factory produced 68 packages of chocolate cupcakes and 46 packages of vanilla cupcakes. There were 24 cupcakes in each package. How many cupcakes did the factory produce in all?

Show your work.

answer: _____

- e. Complete the table.

Input	Output
175	4,900
282	
390	10,920
497	

Rule: Multiply by 28.

Let's Learn!

Dividing by a fraction is the same as multiplying by its reciprocal!

Try it with $\frac{2}{5} \div \frac{1}{2}$. Rewrite the division problem using multiplication.

Write the fraction $\frac{1}{2}$ as its reciprocal, $\frac{2}{1}$. Then multiply across.

$$\frac{2}{5} \div \frac{1}{2} \rightarrow \frac{2}{5} \times \frac{2}{1} = \frac{4}{5}$$

When you divide by a whole number, that is also the same as multiplying by its reciprocal. Try it with $\frac{3}{4} \div 5$. Remember that the reciprocal of 5 is $\frac{1}{5}$.

$$\frac{3}{4} \div 5 \rightarrow \frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$$

Divide. Write your answer as a proper fraction or mixed number in simplest form.

$$\frac{3}{4} \div \frac{2}{3} = \frac{3}{4} \times \frac{3}{2} = \frac{9}{8} = 1\frac{1}{8}$$

$$\frac{2}{5} \div \frac{1}{6} = \underline{\hspace{2cm}}$$

$$\frac{6}{7} \div 3 = \underline{\hspace{2cm}}$$

$$\frac{1}{4} \div \frac{8}{9} = \underline{\hspace{2cm}}$$

$$\frac{5}{8} \div \frac{1}{2} = \underline{\hspace{2cm}}$$

$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{9}{10} \div \frac{4}{5} = \underline{\hspace{2cm}}$$

$$\frac{11}{12} \div 4 = \underline{\hspace{2cm}}$$

Divide. Write your answer as a proper fraction or mixed number in simplest form.

$$\frac{2}{9} \div \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \div \frac{5}{7} = \underline{\hspace{2cm}}$$

$$4 \div \frac{3}{4} = \underline{\hspace{2cm}}$$

$$\frac{5}{6} \div \frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{3}{7} \div \frac{1}{5} = \underline{\hspace{2cm}}$$

$$\frac{8}{9} \div 5 = \underline{\hspace{2cm}}$$

$$8 \div \frac{2}{3} = \underline{\hspace{2cm}}$$

$$\frac{3}{10} \div \frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{3}{5} \div \frac{2}{7} = \underline{\hspace{2cm}}$$

$$\frac{4}{9} \div \frac{2}{5} = \underline{\hspace{2cm}}$$

**CHECK IT
OUT!**

Go back to pages 135 and 136. Try solving the problems using a reciprocal. The answers should be the same!



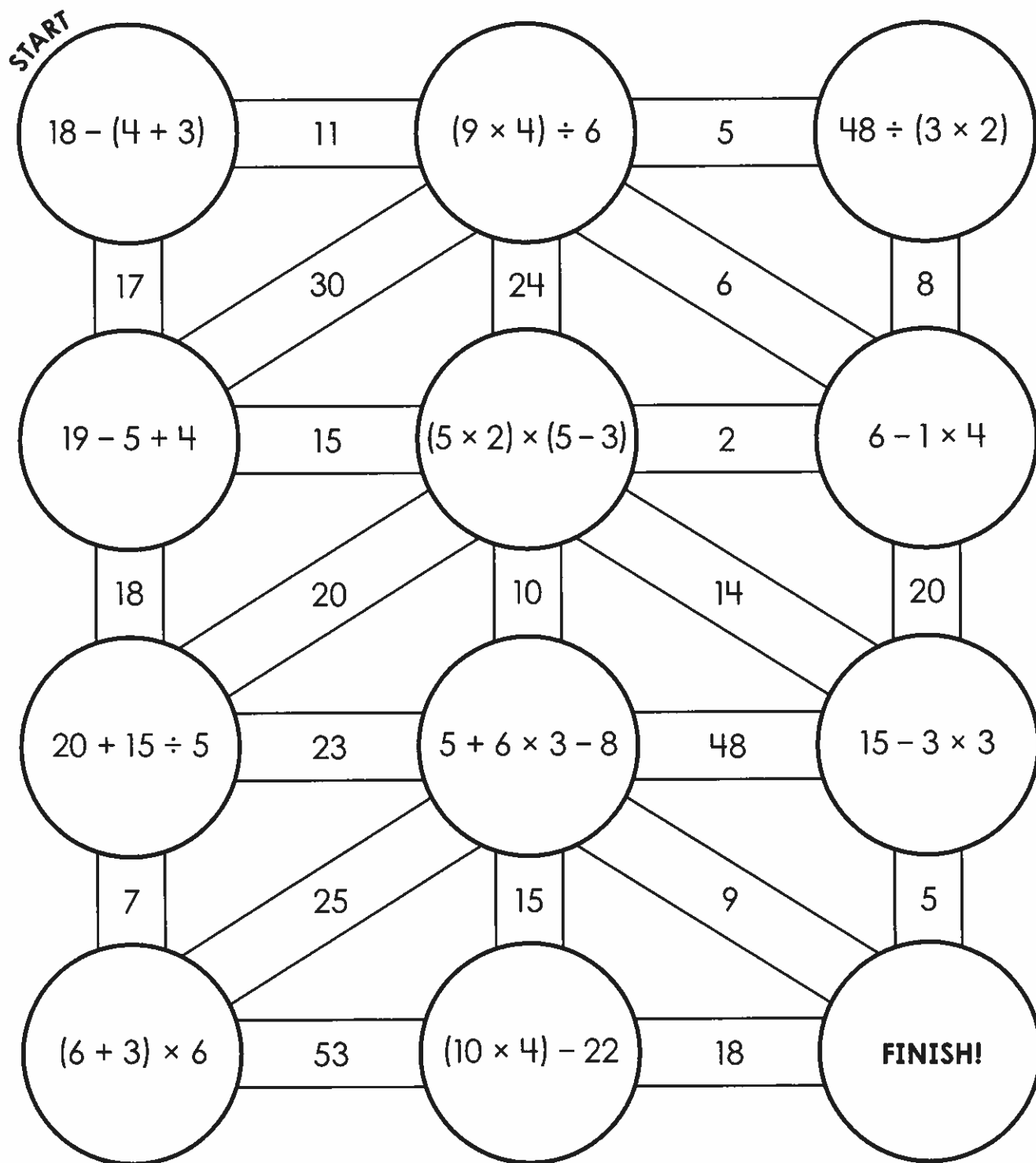
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Name: _____

Order of Operations Maze

Find your way through the maze by using the order of operations to solve each equation. Color the equation bubbles and the correct solutions as you work to reveal the path from **start** to **finish**.



Name: _____

Multiplying Fractions and Mixed Numbers

Find each product. Write your answer in simplest form.

a. $\frac{1}{8} \times \frac{2}{3}$

b. $\frac{3}{5} \times \frac{10}{21}$

c. $\frac{4}{5} \times \frac{3}{8}$

d. $\frac{4}{5} \times 3$

e. $\frac{8}{9} \times 1\frac{1}{4}$

f. $\frac{1}{8} \times 4\frac{2}{3}$

g. $5\frac{1}{3} \times 2\frac{1}{4}$

h. $20 \times 3\frac{1}{5}$

i. $\frac{1}{4} \times 9\frac{1}{2}$

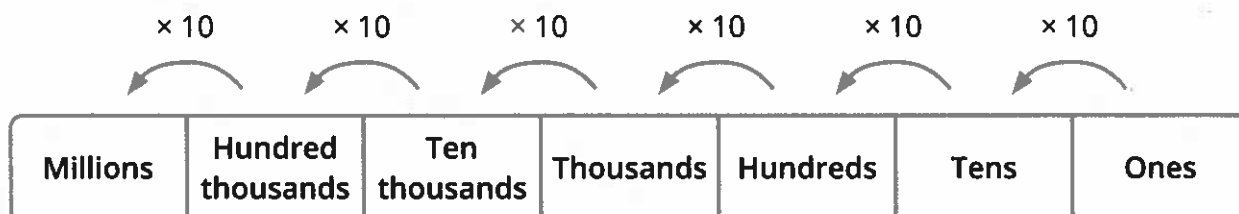
j. $2\frac{1}{3} \times 2\frac{1}{3}$

k. $5\frac{1}{5} \times \frac{1}{2}$

l. $3\frac{1}{2} \times 1\frac{2}{7}$

Let's Learn!

The places in a number are related to each other. Each place is 10 times as much as the place to its right.



You can use this pattern to find the relationship between different numbers. Look at the examples below.

3,000 is 10 times as much as 300.

500 is 10 times as much as 50.



Use the place value pattern to fill in the missing numbers.

80,000 is 10 times as much as 8,000.

400 is 10 times as much as _____.

_____ is 10 times as much as 500.

2,000,000 is 10 times as much as _____.

_____ is 10 times as much as 7.

300,000 is 10 times as much as _____.



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6th Grade ELA Summer Assignment
Growing in Faith, Knowledge, and Love Through Reading

Welcome to 6th grade! We are so excited to have you as part of our classroom and school community. This year, you will grow not only in knowledge, but in your relationship with God, your understanding of others, and your calling to live a life of virtue. As part of your preparation, we ask you to complete a summer reading assignment that will strengthen your reading skills and help you reflect on the values we uphold as Catholic learners.

Reading is a powerful way to grow in wisdom and compassion. As you meet new characters, explore different settings, and consider meaningful themes, think about how these stories help you live out your faith—especially through perseverance, forgiveness, kindness, and courage.

Saint Teresa of Calcutta~ "Be faithful in small things because it is in them that your strength lies."

Summer Reading Assignment

You will read **TWO novels** of your choice this summer. One fiction and one nonfiction.

- Fiction & Nonfiction (no graphic novels)
- At or near a 6th grade reading level (higher if applicable)
- Thought-provoking and appropriate for Catholic school values
- Not overly simplified or "easy reads" (e.g., avoid books clearly below your level)

Some themes to look for:

- Personal growth
- Overcoming challenges
- Friendship and community
- Making moral or faith-based decisions
- Standing up for what is right

1. Follow-Up Activity for the Fiction Book: Letter to the Author (or Character)

Directions:

Write a letter to either the author **or** a main character in your book. Your letter should be 3–4 paragraphs and express your thoughts about the story, including what you learned and how it made you think differently about the world or your faith.

Your letter may include:

- What you liked or didn't like about the story
- How the story reflects Catholic values or moral decision-making
- A challenge the character faced and what you would have done
- How this story might help someone grow in virtue or wisdom
- Neatly handwritten or typed. Include your full name and date completed.

Rubric (30 Points):

Category	Excellent (10)	Good (8)	Needs Improvement (6)
Reflection	Deep, meaningful reflection on the story	Some thoughtful insights	Limited or vague response
Connection to Faith	Clear connections to Catholic values or faith	Some connection to faith or values	Minimal or no connection to faith
Writing Quality	Letter format, clear ideas, correct grammar, neat	Mostly clear with minor errors	Poor format or unclear writing

2. Follow-Up Activity for Nonfiction Book: Summary & Reflection Assignment

You will write a summary and reflection about a nonfiction book you have recently read. This assignment will help you practice your reading comprehension, summarizing, and reflection skills. You may complete your work on a separate sheet of paper or type it and turn in a printed copy or digital file.

Part 1: Book Summary

On a separate sheet of paper (or typed), write a **summary paragraph** (at least 6–8 sentences) about the nonfiction book you read.

Be sure to include:

- The title and author of the book
- What the book is mainly about
- The main topic or purpose of the book
- A few interesting facts or events from the book
- Why you chose this book or what made it interesting to you

★ Part 2: Book Rating & Recommendation

After reading the book, rate it on a scale from 1 to 5 stars, where:

- **1 = Not good**
- **5 = Amazing**

Answer the following questions on a separate sheet of paper (or typed):

1. What rating would you give this book? (Write a sentence like: "I would give this book 4 out of 5 stars.")
2. Would you recommend this book to a friend or classmate? Why or why not? Write **2–3 sentences** explaining your opinion.

Part 3: 10 Things You Learned

- List **10 facts, ideas, or lessons** you learned from the book. These can be things you didn't know before or things you think other people would find interesting.
- Write this list clearly on your paper or document.

Before You Turn It In:

- Did you write neatly or type your work?
- Did you answer **all three parts** of the assignment?
- Did you check for **spelling, punctuation, and grammar**?
- Did you include your **name** and the **book title and author**?

Due Date:

Both assignments are due on the **first day of school**. Please bring your responses neatly written or typed and be ready to share your insights with your classmates.

This summer, be faithful in your reading. It is one small step that will help you start 6th grade strong—in both heart and mind!

We can't wait to hear about your summer reading and how it inspired you to think, reflect, and grow in virtue. May God bless you and your family with a joyful and restful summer!

Yours in Christ,

The 6th Grade ELA Team