

Dear Parents,

Welcome to 5th Grade! I hope your family has a wonderful and relaxing summer. Along with enjoying time together, it is important that students continue practicing academic skills, so they are prepared for a successful start to the school year. The enclosed summer packet has been designed to help students review important concepts and build strong learning habits before returning to school.

Reading and Novel Study

This summer, students are required to read the novel *Wonder* by R. J. Palacio. As students read, they will complete comprehension questions for each section of the novel. The questions are divided into smaller "chunks" of the book to help students stay organized and focus on understanding the text as they read. In addition to the comprehension questions, students will complete vocabulary activities throughout the novel study. For each vocabulary word, students must:

- Write the page number where the word is found
- Use a dictionary to define the word

Please encourage your child to complete the questions and vocabulary work carefully and thoughtfully. **There will be a final novel assessment within the first week when students return to school in the fall, and all comprehension questions will be due by the Friday of the first week of school.**

This summer assignment also introduces the process we will use throughout our 5th grade year for each trimester novel study that we complete. Students will:

- Read a novel divided into smaller sections
- Complete comprehension questions
- Take a novel assessment
- Learn how to write proper book reports

These activities are designed to strengthen reading comprehension, vocabulary development, written responses, and critical thinking skills.

Math Expectations

In math, it is extremely important that students have mastery of their basic math facts, especially multiplication facts through 12. These facts should have been mastered by the end of 3rd grade and are essential for success in 5th grade math.

At the beginning of the school year, students will complete timed math fact drills to ensure fluency and mastery. Over the summer, students should practice these facts regularly to improve both accuracy and speed.

In addition to math fact practice, students will complete a 9-week review of important 4th grade math skills. This review will help reinforce concepts learned previously and prepare students for new material in 5th grade.

Thank you for your support and partnership in helping your child continue learning throughout the summer months. Consistent practice will help students begin the school year feeling confident and prepared. I look forward to a wonderful year ahead!

Sincerely,



Part 1(A) - *August* (p. 1-23):

1) Why does August describe himself as "not an ordinary ten-year-old kid?"

2) Why was August homeschooled until 5th grade? Why is he going to traditional school now?

3) Compare: How does each family member feel differently about August attending school?

August's Feelings	Mom's Feelings	Dad's Feelings
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>

4) Predict: How might the other students treat August on his tour of Beecher Prep?

Part 1A - *August*: Vocabulary

petrified	anomalies	hysterical	dueling	slaughter
page _____	page _____	page _____	page _____	page _____

Part 1(B) - August (p. 24-48):

1) Describe each of the three students who take August on a tour of the school. What are their character traits?

Jack

Charlotte

Julian

2) What does Julian meanly imply by asking about August's favorite Star Wars character?

3) What does Mr. Browne's September precept mean?

4) What has August decided about school at the end of the *Choose Kind* chapter? Why do you think he has come to this conclusion?

Part 1B - August: Vocabulary

obnoxious	forewarned	apprentice	precept	plaque
page _____	page _____	page _____	page _____	page _____

Part 1(C) - *August* (p. 49-80):

1) List two reasons lunchtime was a difficult part of August's first day of school.

1) _____

2) _____

2) Infer: How and why does August change his physical appearance after the first day of school?

3) On page 72, why does August call himself "the moldy old cheese?"

4) What happens when August chooses to wear a different Halloween costume to school?

5) In the *Halloween* chapter, August says, "Who cares what other people think." Do you agree or disagree? Do other peoples' opinions matter? Explain your reasoning.

Part 1C - *August*: Vocabulary

exception	contagious	coincidence	mortality	aversion
page _____	page _____	page _____	page _____	page _____

Part 2(A) - *Via* (p. 81-102):

1) On page 82, Via says, "August is the sun." What does she mean by this metaphor? What is an example from this section of the text of August being "the sun?"

2) How did Via's month-long stay with her grandmother impact her relationship with August?

3) How has Via's relationship with her friends changed since entering high school?

4) What disagreement do Mom and Dad have in the chapter titled *Breakfast* about Via and her transportation?

Part 2A - *Via*: Vocabulary

noble	prude	pettiness	instinctively	spitefully
page _____	page _____	page _____	page _____	page _____

Part 2(B) - *Via* (p. 103-117):

1) August and Via have the same parents and genes. What could this possibly mean for Via's future children?

2) Explain why Halloween is a hard time for each of the characters: August, Via, and Mom.

August	Via	Mom
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>

3) Why does Via feel like there is "Via's mom" and then "August's mom?"

4) August tells Via he is quitting school. In your opinion, is quitting ever okay, or is it important to keep trying when something is difficult?

Part 2B - *Via*: Vocabulary

inheritance	geneticists	bribed	emphatically	flabbergasted
page _____	page _____	page _____	page _____	page _____

Part 3 - *Summer* (p. 118-132):

1) Infer: Why did Summer decide to silently leave Savanna's Halloween party early?

2) Why are the rest of the students trying to not touch August? Infer: Why does Summer find this "game" to be "dumb"?

3) Why was August rude to Summer at lunch once he returned to school?

4) Predict: Summer tells Jack two words, "Bleeding Scream." How might this help Jack to understand the tension between him and August? What might Jack do now?

Part 3 - *Summer*: Vocabulary

artifact	sergeant	morphed	archaeologists	oath
page _____	page _____	page _____	page _____	page _____

Part 4(A) - *Jack* (p. 133-152):

1) Jack's babysitter stated the lesson, "Sometimes you don't have to mean to hurt someone to hurt someone." What does she mean by this lesson?

2) Why did Jack change his mind about "shepherding" August around school?

3) Why does Jack now want to be friends with August over the other fifth-grade boys?

4) What does Jack realize about the sled, "lightning," that he found and repaired? Infer: How does Jack feel after realizing this?

Part 4A - *Jack*: Vocabulary

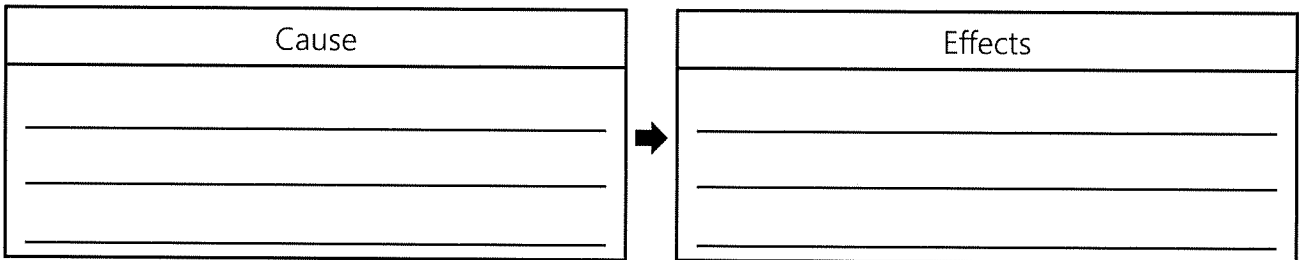
shepherd	phony	sympathetic	legends	kinetic
page _____	page _____	page _____	page _____	page _____

Part 4(B) - *Jack* (p. 153-185):

1) Infer: Why does Jack not want to change partners to work with Julian for the science project?

2) Think back: Why might August's family put Daisy on their holiday card each year?

3) What are the causes and effects of Jack punching Julian in the mouth?



4) Why are the other fifth-grade boys avoiding Jack at school after Winter Break?

5) Text-to-Self Connection: Would you be on Jack or Julian's side of the argument? Explain:

Part 4B - *Jack* : Vocabulary

expulsion	inkling	confrontation	prejudicial	resolute
page _____	page _____	page _____	page _____	page _____

Part 5 - *Justin* (p. 187-204):

1) Why does Justin enjoy being around Via's family?

2) What surprises Justin about his interaction backstage with Miranda?

3) Why does Via call herself an "awful person?" Why has she made this difficult decision?

4) Justin uses the metaphor of a "giant lottery" to describe being born. What does he mean by this statement?

Part 5 - *Justin*: Vocabulary

immaculate	interjects	fluke	dutifully	monologues
page _____	page _____	page _____	page _____	page _____

Part 6 - *August* (p. 205-234):

1) Why are school events with parents extra difficult for August?

2) Why does August's opinion on wearing hearing aids change?

3) Why does Via come into August's room quickly when he is upset with Via about her play?

4) Infer: What caused Via to change her mind about inviting her family to the school play?

5) What surprising thing happened at Via's play? What caused this to happen?

Part 6 - *August*: Vocabulary

dioramas	unsuspecting	stationery	audiology	taciturn
page _____	page _____	page _____	page _____	page _____

Part 7 - *Miranda* (p. 235-248):

1) Why did Miranda start to lie about her life while at camp? How did this change her experience?

2) What caused Mr. Davenport, the theater teacher, to decide to change the play to *Our Town*?

3) Infer: Why did Miranda pretend to be too sick to perform? What does this say about her feelings toward Via and their previous friendship?

4) What causes Miranda to feel "absolutely happy" at the end of her narration of the text?

Part 7 - *Miranda*: Vocabulary

bungalow	Et cetera	mocking	bittersweet	mayhem
page _____	page _____	page _____	page _____	page _____

Part 8(A) - *August* (p. 250-281):

1) Why does August have ambivalent feelings about the school nature retreat?

2) Text-to-Self Connection: August decides he does not want to take his *Star Wars* duffle bag to the school retreat. What is something (e.g., toy, clothing, TV show) you used to love but now you feel like you have outgrown it?

3) What is the problem and solution when August and Jack wander into the woods during movie night?

Problem	Solution
<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>

4) What surprise do Via and Dad bring home after August returns home from camp?

Part 8A - *August*: Vocabulary

saluting	rappelled	emperor	imbeciles	devouring
page _____	page _____	page _____	page _____	page _____

Part 8(B) - *August* (p. 282-310):

1) What "shift" happens at school for August after the school trip?

2) What "major revelation" does Dad reveal on the way to the graduation ceremony? Why did Dad make this decision when August was younger?

3) Why was the Henry Ward Beecher Medal for Greatness awarded to August?

4) Why is the book titled *Wonder*?

Part 8B - *August*: Vocabulary

seismic	symbolism	spiffy	revelation	quantifiable
page _____	page _____	page _____	page _____	page _____

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4th Grade LESSON 11

Fractions

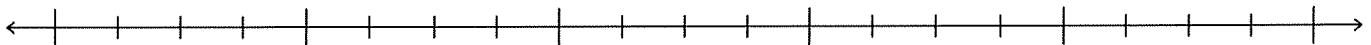
A complete the equivalent fractions.

- ① $\frac{4}{4} = \frac{40}{50}$ ② $\frac{2}{2} = \frac{10}{25}$ ③ $\frac{3}{3} = \frac{6}{8}$
- ④ $\frac{3}{4} = \frac{\quad}{12}$ ⑤ $\frac{1}{3} = \frac{\quad}{18}$ ⑥ $\frac{3}{3} = \frac{6}{9}$
- ⑦ $\frac{5}{8} = \frac{45}{\quad}$ ⑧ $\frac{1}{4} = \frac{\quad}{36}$ ⑨ $\frac{3}{3} = \frac{5}{15}$

B Rewrite the fraction as a decimal.

- ① $\frac{3}{5} = \underline{\hspace{2cm}}$ ② $\frac{20}{50} = \underline{\hspace{2cm}}$
- ③ $\frac{21}{50} = \underline{\hspace{2cm}}$ ④ $\frac{1}{2} = \underline{\hspace{2cm}}$
- ⑤ $\frac{2}{10} = \underline{\hspace{2cm}}$ ⑥ $\frac{36}{50} = \underline{\hspace{2cm}}$
- ⑦ $\frac{38}{50} = \underline{\hspace{2cm}}$ ⑧ $\frac{9}{10} = \underline{\hspace{2cm}}$
- ⑨ $\frac{3}{10} = \underline{\hspace{2cm}}$ ⑩ $\frac{86}{100} = \underline{\hspace{2cm}}$

The number line spans 0 to 5. Label the number line in fourths. Place a star at two and a half.



C change the mixed numbers to improper fractions.

- ① $4\frac{1}{5} = \underline{\hspace{2cm}}$ ② $8\frac{1}{5} = \underline{\hspace{2cm}}$ ③ $3\frac{1}{5} = \underline{\hspace{2cm}}$ ④ $7\frac{1}{5} = \underline{\hspace{2cm}}$
- ⑤ $4\frac{4}{5} = \underline{\hspace{2cm}}$ ⑥ $8\frac{4}{5} = \underline{\hspace{2cm}}$ ⑦ $1\frac{2}{5} = \underline{\hspace{2cm}}$ ⑧ $2\frac{3}{5} = \underline{\hspace{2cm}}$
- ⑨ $4\frac{2}{5} = \underline{\hspace{2cm}}$ ⑩ $9\frac{4}{5} = \underline{\hspace{2cm}}$ ⑪ $4\frac{3}{5} = \underline{\hspace{2cm}}$ ⑫ $7\frac{3}{5} = \underline{\hspace{2cm}}$

D compare the fractions.

- ① $\frac{3}{6} \underline{\hspace{0.5cm}} \frac{2}{5}$ ② $\frac{1}{3} \underline{\hspace{0.5cm}} \frac{5}{6}$
- ③ $\frac{4}{5} \underline{\hspace{0.5cm}} \frac{2}{4}$ ④ $\frac{2}{5} \underline{\hspace{0.5cm}} \frac{7}{8}$
- ⑤ $\frac{4}{8} \underline{\hspace{0.5cm}} \frac{2}{3}$ ⑥ $\frac{2}{3} \underline{\hspace{0.5cm}} \frac{1}{5}$

E create an equivalent fraction that could also be written as a decimal.

- ① $\frac{1}{5} = \underline{\hspace{2cm}}$ ② $\frac{4}{5} = \underline{\hspace{2cm}}$ ③ $\frac{3}{5} = \underline{\hspace{2cm}}$ ④ $\frac{2}{5} = \underline{\hspace{2cm}}$
- ⑤ $\frac{2}{5} = \underline{\hspace{2cm}}$ ⑥ $\frac{1}{5} = \underline{\hspace{2cm}}$ ⑦ $\frac{3}{5} = \underline{\hspace{2cm}}$ ⑧ $\frac{1}{5} = \underline{\hspace{2cm}}$
- ⑨ $\frac{1}{5} = \underline{\hspace{2cm}}$ ⑩ $\frac{4}{5} = \underline{\hspace{2cm}}$ ⑪ $\frac{4}{5} = \underline{\hspace{2cm}}$ ⑫ $\frac{4}{5} = \underline{\hspace{2cm}}$

F write the sum as a proper fraction in simplest form.

- ① $\frac{1}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$
- ② $\frac{2}{6} + \frac{2}{6} = \underline{\hspace{2cm}}$
- ③ $\frac{1}{4} + \frac{3}{4} = \underline{\hspace{2cm}}$
- ④ $\frac{1}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$

What did Sheriff of Nottingham say when Robin fired at him?
That was an arrow escape!

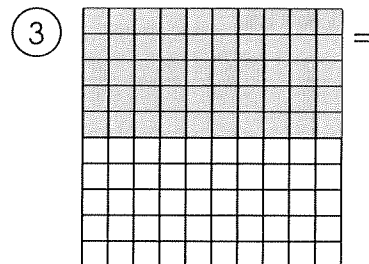
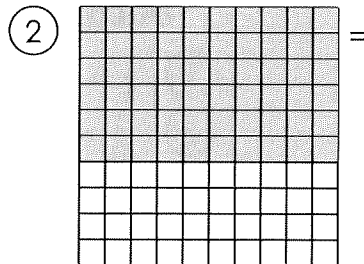
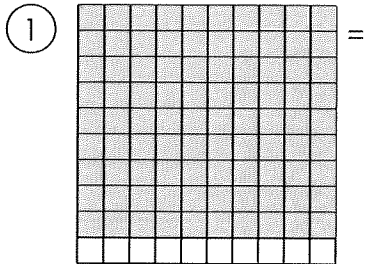
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4th Grade LESSON 12

Fractions




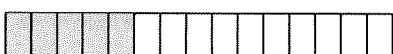


A Write two fractions for each square.



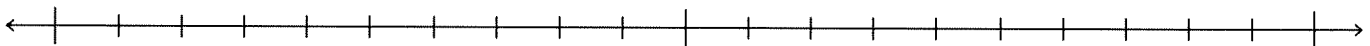
C Divide each numerator and denominator by 2 to show a simpler form.

- ① $\frac{36}{64} = \frac{\quad}{\quad}$ ② $\frac{64}{70} = \frac{\quad}{\quad}$ ③ $\frac{18}{48} = \frac{\quad}{\quad}$
 ④ $\frac{20}{500} = \frac{\quad}{\quad}$ ⑤ $\frac{430}{500} = \frac{\quad}{\quad}$ ⑥ $\frac{24}{32} = \frac{\quad}{\quad}$
 ⑦ $\frac{14}{70} = \frac{\quad}{\quad}$ ⑧ $\frac{34}{60} = \frac{\quad}{\quad}$ ⑨ $\frac{24}{28} = \frac{\quad}{\quad}$
 ⑩ $\frac{8}{14} = \frac{\quad}{\quad}$ ⑪ $\frac{56}{128} = \frac{\quad}{\quad}$ ⑫ $\frac{224}{240} = \frac{\quad}{\quad}$
 ⑬ $\frac{26}{300} = \frac{\quad}{\quad}$ ⑭ $\frac{184}{240} = \frac{\quad}{\quad}$ ⑮ $\frac{72}{112} = \frac{\quad}{\quad}$

B Write the fraction for each rectangle. Simplify if possible.

- ①  = _____
 ②  = _____
 ③  = _____
 ④  = _____
 ⑤  = _____
 ⑥  = _____

The number line spans 0 to 2. Label fractions on the number line in tenths. Place a star at one and eight tenths.



D change the improper fractions to mixed numbers.

- ① $\frac{22}{5} = \frac{\quad}{\quad}$ ② $\frac{13}{5} = \frac{\quad}{\quad}$ ③ $\frac{44}{5} = \frac{\quad}{\quad}$ ④ $\frac{36}{5} = \frac{\quad}{\quad}$
 ⑤ $\frac{17}{5} = \frac{\quad}{\quad}$ ⑥ $\frac{23}{5} = \frac{\quad}{\quad}$ ⑦ $\frac{7}{5} = \frac{\quad}{\quad}$ ⑧ $\frac{18}{5} = \frac{\quad}{\quad}$
 ⑨ $\frac{41}{5} = \frac{\quad}{\quad}$ ⑩ $\frac{47}{5} = \frac{\quad}{\quad}$ ⑪ $\frac{37}{5} = \frac{\quad}{\quad}$ ⑫ $\frac{43}{5} = \frac{\quad}{\quad}$

E compare the fractions.

- ① $\frac{2}{5} \underline{\quad} \frac{2}{3}$ ② $\frac{1}{5} \underline{\quad} \frac{1}{3}$
 ③ $\frac{2}{5} \underline{\quad} \frac{1}{3}$ ④ $\frac{2}{4} \underline{\quad} \frac{5}{6}$
 ⑤ $\frac{4}{6} \underline{\quad} \frac{1}{3}$ ⑥ $\frac{4}{6} \underline{\quad} \frac{3}{4}$

What's brown and sticky? A stick.

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4th Grade LESSON 21

Multiplication & Division

A Find the product.

① $\begin{array}{r} 10 \\ \times 40 \\ \hline \end{array}$
 ② $\begin{array}{r} 90 \\ \times 80 \\ \hline \end{array}$
 ③ $\begin{array}{r} 90 \\ \times 40 \\ \hline \end{array}$
 ④ $\begin{array}{r} 90 \\ \times 70 \\ \hline \end{array}$
 ⑤ $\begin{array}{r} 70 \\ \times 10 \\ \hline \end{array}$
 ⑥ $\begin{array}{r} 80 \\ \times 30 \\ \hline \end{array}$
 ⑦ $\begin{array}{r} 80 \\ \times 50 \\ \hline \end{array}$
 ⑧ $\begin{array}{r} 70 \\ \times 80 \\ \hline \end{array}$

When do astronauts eat? At launch time!

B solve.

- ① ___ The product of two and a number is 20. What is the number?
- ② ___ The quotient of a number and two is 9. Find the number.
- ③ ___ The product of two and a number is 12. What is the number?
- ④ ___ The quotient of a number and two is 10. Find the number.
- ⑤ ___ The quotient of a number and two is 6. Find the number.

C Find the quotient of these compatible numbers.

① $4 \overline{)200}$
 ② $6 \overline{)300}$
 ③ $5 \overline{)200}$
 ④ $4 \overline{)100}$
 ⑤ $9 \overline{)90}$
 ⑥ $2 \overline{)200}$
 ⑦ $3 \overline{)600}$
 ⑧ $9 \overline{)360}$

D Find the quotient.

① $6 \overline{)48}$
 ② $2 \overline{)8}$
 ③ $1 \overline{)8}$
 ④ $3 \overline{)12}$
 ⑤ $3 \overline{)27}$
 ⑥ $2 \overline{)24}$
 ⑦ $8 \overline{)24}$
 ⑧ $6 \overline{)6}$

E Find the solution.

① $(36 \div 6) \times 4 = \underline{\quad}$
 ② $(5 \div 1) \times 3 = \underline{\quad}$
 ③ $(10 \div 5) \times 3 = \underline{\quad}$
 ④ $(6 \div 2) \times 4 = \underline{\quad}$
 ⑤ $(20 \div 5) \times 2 = \underline{\quad}$
 ⑥ $(18 \div 6) \times 5 = \underline{\quad}$
 ⑦ $(20 \div 4) \times 2 = \underline{\quad}$
 ⑧ $(2 \div 2) \times 1 = \underline{\quad}$
 ⑨ $(6 \div 2) \times 5 = \underline{\quad}$
 ⑩ $(12 \div 4) \times 5 = \underline{\quad}$
 ⑪ $(3 \div 1) \times 1 = \underline{\quad}$
 ⑫ $(30 \div 6) \times 2 = \underline{\quad}$

F compare the fractions.

① $\frac{18}{20} \underline{\quad} \frac{4}{10}$
 ② $\frac{37}{100} \underline{\quad} \frac{1}{100}$
 ③ $\frac{31}{50} \underline{\quad} \frac{8}{20}$
 ④ $\frac{62}{100} \underline{\quad} \frac{40}{50}$
 ⑤ $\frac{4}{50} \underline{\quad} \frac{25}{100}$
 ⑥ $\frac{9}{100} \underline{\quad} \frac{5}{30}$

G Write the value of the underlined digit.

① $\underline{7}.76 = \underline{\hspace{2cm}}$
 ② $\underline{5}.5 = \underline{\hspace{2cm}}$
 ③ $0.\underline{0}8 = \underline{\hspace{2cm}}$
 ④ $9.\underline{6}3 = \underline{\hspace{2cm}}$

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4th Grade LESSON 22

Multiplication & Division

A Find the quotient and remainder.

- ① $2 \overline{) 11}$ ② $6 \overline{) 38}$ ③ $3 \overline{) 29}$ ④ $6 \overline{) 40}$ ⑤ $10 \overline{) 55}$ ⑥ $4 \overline{) 31}$

Why did George Washington chop down the cherry tree?
I'm Stumped!

B Fill in the empty blanks. Write a rule to represent the relationship between input and output.

①

Input	Output
9	27
6	18
5	
8	

②

Input	Output
8	64
7	56
9	
5	

C Find the product.

- ① $\begin{array}{r} 349 \\ \times 8 \\ \hline \end{array}$ ② $\begin{array}{r} 354 \\ \times 4 \\ \hline \end{array}$ ③ $\begin{array}{r} 278 \\ \times 4 \\ \hline \end{array}$ ④ $\begin{array}{r} 663 \\ \times 7 \\ \hline \end{array}$ ⑤ $\begin{array}{r} 398 \\ \times 8 \\ \hline \end{array}$
- ⑥ $\begin{array}{r} 272 \\ \times 7 \\ \hline \end{array}$ ⑦ $\begin{array}{r} 685 \\ \times 7 \\ \hline \end{array}$ ⑧ $\begin{array}{r} 302 \\ \times 7 \\ \hline \end{array}$ ⑨ $\begin{array}{r} 567 \\ \times 9 \\ \hline \end{array}$ ⑩ $\begin{array}{r} 235 \\ \times 5 \\ \hline \end{array}$

D Find the quotient.

- ① $5 \overline{) 670}$ ② $8 \overline{) 488}$ ③ $8 \overline{) 784}$ ④ $3 \overline{) 480}$

E Find the sum of the two products.

- ① $\begin{array}{r} 165 \\ \times 62 \\ \hline \end{array}$ ② $\begin{array}{r} 657 \\ \times 18 \\ \hline \end{array}$

F Find the estimated products.

- ① $\begin{array}{r} 126 \\ \times 211 \\ \hline \end{array}$ ② $\begin{array}{r} 624 \\ \times 238 \\ \hline \end{array}$ ③ $\begin{array}{r} 427 \\ \times 272 \\ \hline \end{array}$

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4th Grade LESSON 23 Multiplication & Division

A **solve.**

- ① ___ The quotient of a number and six is 6. Find the number.
- ② ___ The product of six and a number is 12. What is the number?
- ③ ___ The quotient of a number and six is 10. Find the number.
- ④ ___ Twice a number is 4. What is the number?

B **complete the equivalent fractions.**

- ① $\frac{3}{4} = \frac{27}{40} = \frac{15}{40}$
- ② $\frac{4}{6} = \frac{12}{24} = \frac{40}{24}$
- ③ $\frac{2}{4} = \frac{12}{12} = \frac{4}{12}$
- ④ $\frac{4}{5} = \frac{28}{45} = \frac{20}{45}$

C **Find the quotient. check your answer with multiplication.**

- ① $5 \overline{)475}$
- ② $3 \overline{)831}$

What is the fruitiest lesson?
History, because it's full of dates.

D **Find each product and write <, >, or = to compare each adjacent product.**

- ① $\begin{array}{r} 91 \\ \times 56 \\ \hline \end{array}$
- ② $\begin{array}{r} 20 \\ \times 83 \\ \hline \end{array}$
- ③ $\begin{array}{r} 88 \\ \times 62 \\ \hline \end{array}$
- ④ $\begin{array}{r} 35 \\ \times 39 \\ \hline \end{array}$
- ⑤ $\begin{array}{r} 39 \\ \times 62 \\ \hline \end{array}$
- ⑥ $\begin{array}{r} 24 \\ \times 49 \\ \hline \end{array}$
- ⑦ $\begin{array}{r} 98 \\ \times 93 \\ \hline \end{array}$

E **write the value in expanded form.**

- ① 5,281,240.01 _____

F **Multiply each underlined value by 100.**

- ① $2\bar{3} = \underline{\quad}$
- ② $0.\bar{9}5 = \underline{\quad}$
- ③ $0.5\bar{7} = \underline{\quad}$
- ④ $3\bar{0} = \underline{\quad}$
- ⑤ $2\bar{8} = \underline{\quad}$
- ⑥ $3\bar{5} = \underline{\quad}$
- ⑦ $0.9\bar{2} = \underline{\quad}$
- ⑧ $0.9\bar{8} = \underline{\quad}$
- ⑨ $7\bar{6} = \underline{\quad}$
- ⑩ $4\bar{1} = \underline{\quad}$

LOTS! BASIC MATH PRACTICE

SUMMER EDITION

4th Grade LESSON 24

Multiplication & Division

A Find the quotient. Multiply to check. (Don't forget to add the remainder.)

① $5 \overline{)816}$

② $6 \overline{)405}$

B Find each product. Then write the products in order from least to greatest.

① $\begin{array}{r} 877 \\ \times 23 \\ \hline \end{array}$

② $\begin{array}{r} 750 \\ \times 21 \\ \hline \end{array}$

③ $\begin{array}{r} 238 \\ \times 47 \\ \hline \end{array}$

④ $\begin{array}{r} 602 \\ \times 39 \\ \hline \end{array}$

⑤ $\begin{array}{r} 671 \\ \times 58 \\ \hline \end{array}$

⑥ $\begin{array}{r} 694 \\ \times 63 \\ \hline \end{array}$

C Find the quotient. Write the remainder as a fraction in its simplest form.

① $5 \overline{)382}$

② $4 \overline{)570}$

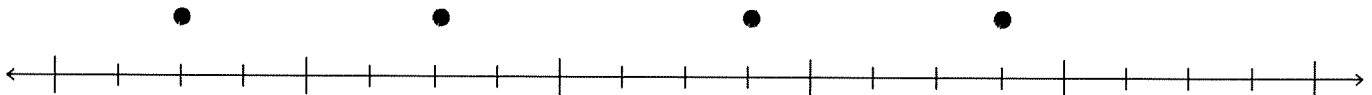
③ $5 \overline{)531}$

④ $7 \overline{)729}$

⑤ $5 \overline{)324}$

What do elves do after school? Gnomework!

This number line spans 0 to 5. Find the sum of the values represented by the points. Write the sum as a mixed number.



D Find the products.

① $\begin{array}{r} 94 \\ \times 10 \\ \hline \end{array}$

② $\begin{array}{r} 16 \\ \times 100 \\ \hline \end{array}$

③ $\begin{array}{r} 14 \\ \times 100 \\ \hline \end{array}$

④ $\begin{array}{r} 33 \\ \times 1,000 \\ \hline \end{array}$

⑤ $\begin{array}{r} 32 \\ \times 10 \\ \hline \end{array}$

⑥ $\begin{array}{r} 20 \\ \times 100 \\ \hline \end{array}$

LOTS! BASIC MATH PRACTICE SUMMER EDITION

4th Grade LESSON 29 Algebra

A Write an equation for each multi-step problem.

- ① Six times a number decreased by 35 is 13. Find the number.
- ② The quotient of a number and six increased by 9 is 16. What is the number?
- ③ Two-fourths of a number increased by 2 is 4. What is the number?
- ④ Three more than six times a number is 51. What is the number?
- ⑤ Two-fourths of a number increased by 3 is 7. What is the number?
- ⑥ Two-fourths of a number decreased by 3 is 1. Find the number.

B Evaluate each expression when $y = 7$.

- ① $y + 2 =$ _____
- ② $1 \times y + 1 =$ _____
- ③ $y + 1 =$ _____
- ④ $y + 5 =$ _____
- ⑤ $6 \times y + 4 =$ _____
- ⑥ $9 \times y + 7 =$ _____
- ⑦ $7 \times y + 5 =$ _____
- ⑧ $8 \times y + 3 =$ _____
- ⑨ $7 \times y + 7 =$ _____
- ⑩ $1 \times y + 5 =$ _____

What does one star say to another star when they meet?
Glad to meteor!

C Rewrite the equation to isolate the variable and solve.

- ① $7 + y = 14$ ② $3 - y = 1$ ③ $5 - y = 2$ ④ $6 - y = 5$ ⑤ $2 + y = 5$

D Compare the fractions.

- ① $\frac{2}{6}$ $\frac{3}{4}$ ② $\frac{2}{5}$ $\frac{1}{3}$ ③ $\frac{3}{6}$ $\frac{5}{6}$
④ $\frac{5}{6}$ $\frac{2}{4}$ ⑤ $\frac{2}{3}$ $\frac{2}{3}$ ⑥ $\frac{5}{8}$ $\frac{4}{5}$

E Write a common denominator on the line.

- ① $\frac{1}{3}$ $\frac{3}{6}$ ② $\frac{1}{8}$ $\frac{1}{6}$ ③ $\frac{4}{5}$ $\frac{4}{8}$
④ $\frac{6}{8}$ $\frac{3}{5}$ ⑤ $\frac{1}{4}$ $\frac{5}{6}$ ⑥ $\frac{1}{3}$ $\frac{2}{6}$

LOTS! BASIC MATH PRACTICE SUMMER EDITION

4th Grade LESSON 30 Algebra

A Evaluate each expression when $y = 5$.

- ① $y + 4 + 8 \times y =$ _____ ② $y + 5 =$ _____
 ③ $8 \times y + 1 =$ _____ ④ $9 \times y + 8 =$ _____
 ⑤ $y + 3 + 5 \times y =$ _____ ⑥ $2 \times y + 1 =$ _____
 ⑦ $6 \times y + 2 =$ _____ ⑧ $y + 3 + 4 \times y =$ _____
 ⑨ $y + 8 + 9 \times y =$ _____ ⑩ $5 \times y + 7 =$ _____

B Find the secret trail.

①

9	8	3
4	5	1
5	1	9
	+	32

How did the farmer fix his jeans? With a cabbage patch!

C Evaluate each expression when $y = 8$.

- ① $0.03 + y =$ _____ ② $0.08 + 0.07 + y =$ _____ ③ $0.08 + 0.04 + y =$ _____
 ④ $0.8 + y =$ _____ ⑤ $0.8 + 0.2 + y =$ _____ ⑥ $0.05 + y - 0.05 =$ _____

D solve each problem and represent the problem with a strip diagram.

- ① _____ 77 oranges were in the basket. Some of the oranges were removed from the basket. Now there are 60 oranges. How many oranges were removed from the basket?
- ② _____ Jennifer has eight fewer oranges than Jackie. Jackie has 29 oranges. How many oranges does Jennifer have?
- ③ _____ 75 pears were in the basket. Some of the pears were removed from the basket. Now there are 31 pears. How many pears were removed from the basket?

E create an equivalent fraction that could also be written as a decimal.

- ① $\frac{2}{5} =$ _____ ② $\frac{1}{5} =$ _____ ③ $\frac{3}{5} =$ _____

F Write the numbers in order from least to greatest.

- ① 662,204.6
53,215.09
955,730.1