SUMMER MATH and READING for RISING 5th GRADE 2025

Summer greetings everyone!

Congratulations on completing a great year in Fourth Grade! I'm so glad I was able to meet with your class this Spring to give you some idea of what Fifth Grade will be like next year. Hopefully, it will help to know what your new classroom looks like and to have a sense of how middle school works when we begin in the Fall.

Here are the directions for your summer math and reading assignments. The purpose of these assignments is for you to gently practice your academic skills over the weeks we are away so they stay fresh in your mind. The best way to do that is to do a little bit each week - both math and reading. Try to avoid waiting until the last few weeks when you might feel rushed. For each subject, I'll suggest some time guidelines to help you complete the work at a comfortable pace.

MATH: What do we need to do? When should we do it?

For math, you will work on the provided worksheets from your 4th Grade workbook. These pages review the skills you learned in class. **You should complete one worksheet (both sides of one page) each week.** An answer key is provided for all of the ODD numbered problems. Some problems are crossed out and don't need to be completed.

READING: What do we need to read? When should we do it?

Hopefully, everyone will read LOTS of books over the summer, but you are expected to read 3 fiction novels PLUS the book, *Wonder* by R.J. Palacio. Your chosen books should be chapter books that are at or above your grade level (no graphic novels). Use the list of recommended titles, or find one on your own. You

can pick any genre (for example, mystery or historical fiction), but be sure they are fiction. **You should try to read a book every 2 weeks.** I suggest you read *Wonder* last since it is the book we'll discuss the first week of school.

What do we do after we read?

For your 3 choice books, you'll fill in the attached *READ & RETELL* form. That means you'll turn in 3 forms the first week of school. **You should spend about 30 minutes on each story form telling me about the main character, the story setting, and 2 or 3 main events that involve the main character. You should also tell me how the book ends.**

For *WONDER*, please select ONE of the four character posters provided. You will fill in information about memorable moments, notable quotations, physical traits, and personality traits. Then, COLOR the poster using crayons or colored pencils. You can do more, if you like, but ONE completed poster is expected to be turned in the first week of school.

I hope you enjoy your summer and learn new things outside of school. I look forward to seeing everyone in the Fall and starting our adventure together in 5th Grade! ~Ms. Freeman 

Name _____

Read & Retell

Use this organizer to record information about one of the 3 chapter books you read this summer. You will complete 3 forms over the summer.

Book Title: _____

Author: _____

Number of pages: _____

Check what kind of book this is:

__mystery ___fantasy ___historical fiction

__realistic fiction __other __not sure

Why did you choose this book?

_____

_____

_____

_____

Tell us about your book. Who is your main character and what is the setting? What challenge is the main character faced with. What happens to him or her in the end?

If you need more space, use looseleaf or write on the back.

_____

_____

_____

_____

_____

_____

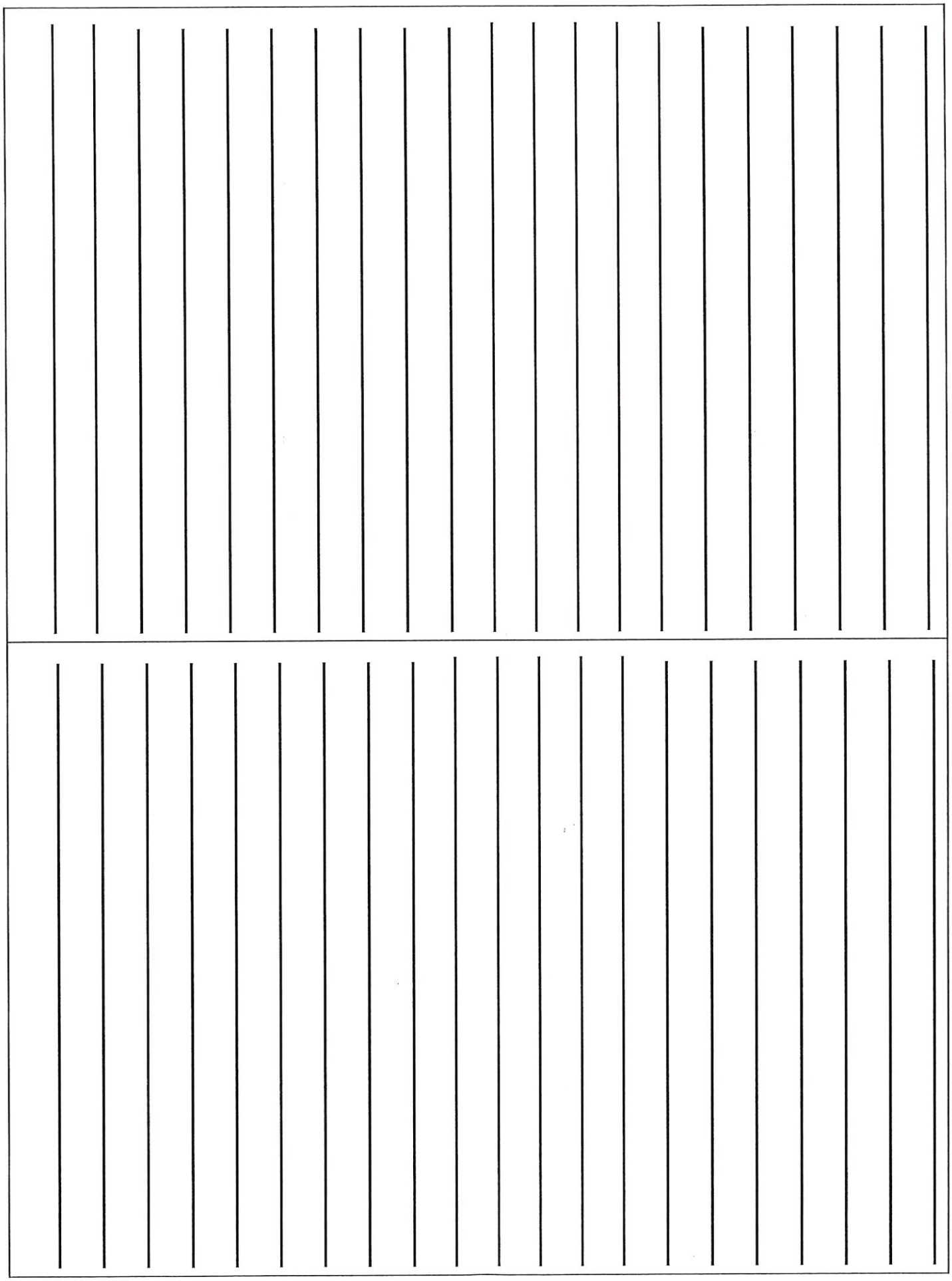
_____

_____

_____

_____

_____



Via

2 PHYSICAL CHARACTER TRAITS

[redacted] Character Trait: _____ Example on page ____

Quotation #1:

[redacted] Character Trait: _____ Example on page ____

Quotation #1:

NOTABLE QUOTATIONS

Page ____ Quotation #1:

Quotation #2: Page ____

page ____ Quotation #3:

memorable moments

2 PERSONALITY CHARACTER TRAITS

[redacted] Character Trait: _____ Example on page ____

Quotation:

[redacted] Character Trait: _____ Example on page ____

Quotation:

Jack Will

2 PHYSICAL CHARACTER TRAITS

[redacted] Character Trait:
Quotation #1: Example on page

[redacted] Character Trait:
Quotation #1: Example on page

NOTABLE QUOTATIONS

Page ___ Quotation #1:

Quotation #2: page ___

page ___ Quotation #3:

memorable moments

2 PERSONALITY CHARACTER TRAITS

[redacted] Character Trait: _____ Example on page ___
Quotation:

[redacted] Character Trait: _____ Example on page ___
Quotation:

English, Oh My! ©2018

Julian

2 PHYSICAL CHARACTER TRAITS

Character Trait: ______

Quotation #1: Example on page ___

______

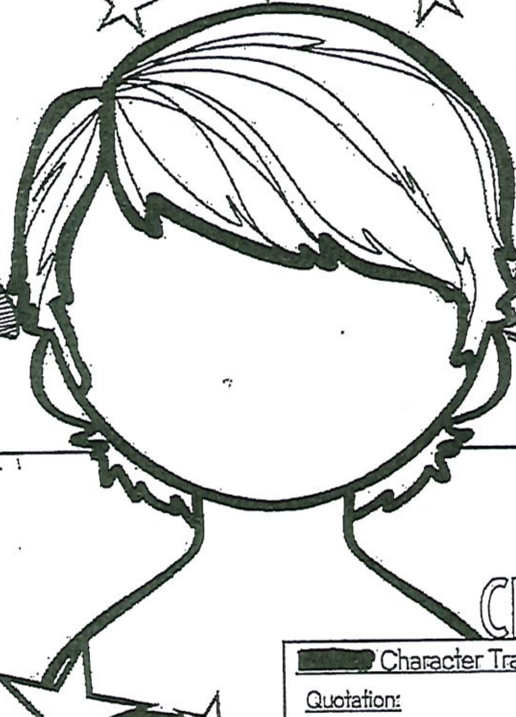
______

Character Trait: ______

Quotation #1: Example on page ___

______

______



NOTABLE QUOTATIONS

page ___ Quotation #1:

______

______

Quotation #2: page ___

______

______

page ___ Quotation #3

______

______

memorable moments

2 PERSONALITY CHARACTER TRAITS

Character Trait: ______ Example on page ___

Quotation:

______

______

Character Trait: ______ Example on page ___

Quotation:

______

______

English, OR M/#1 ~2018

Summer

NOTABLE QUOTATIONS

Page ___ Quotation # 1:

Quotation # 2: Page ___

Page ___ Quotation # 3:

2 PHYSICAL CHARACTER TRAITS

[redacted] Character Trait: ___ Example on page ___

Quotation # 1:

[redacted] Character Trait: ___ Example on page ___

Quotation # 1:

memorable moments

2 PERSONALITY CHARACTER TRAITS

[redacted] Character Trait: ___ Example on page ___

Quotation:

[redacted] Character Trait: ___ Example on page ___

Quotation:

RECOMMENDED TITLES
5th and 6th Grades

ACROSS FIVE APRILS Hunt, I.
THE ADVENTURES OF TOM SAWYER, TWAIN, M.
ALL CREATURES GREAT AND SMALL Herriot, J.
ARTEMIS FOWL Coifer, E.
A SINGLE SHARD Park, L.
BECAUSE OF WINN DIXIE DiCamillo, K.
THE BFG Dahl, R.
BLUE HERON Avi
THE BOY WHO REVERSED HIMSELF Sleater,W.
BRIDGE TO TERABITHIA Patterson, K.
BUD, NOT BUDDY Curtis, C.
THE CHRONICLES SERIES Lewis, C.
CRISPIN: CROSS OF LEAD Avi
DEATH ON THE NILE Christie,A.
ERAGON Paolini, C.
FLIPPED Van Draanen, W.
THE GIRL WHO DRANK THE MOON Barnhill, K.
THE GRAVEYARD BOOK Gaiman, N.
THE INVENTION OF HUGO CABRET Selznick, B.
HARRY POTTER SERIES Rowling, J.
HATCHET Paulsen, G.
THE HOBBIT Tolkien, J.
HOLES Sachar, L.
HOOT Hiaasen, C.
THE HOUSE OF DIES DREAR Hamilton, V.
THE HOUSE OF THE SCORPION Farmer, N.
ISLAND OF THE BLUE DOLPHINS O'Dell, S.
JASON'S GOLD Hobbs, W.
JOEY PIGZA SWALLOWED THE KEY Gantos, J.
JULIE OF THE WOLVES George, J.
LOSER Spinelli, J.
MATILDA Dahl, R.
M.C. HIGGINS THE GREAT Hamilton, V.
MISTY OF CHINCOTEAGUE Henry, M.
MY SIDE OF THE MOUNTAIN George, J.
NUMBER THE STARS Lowery, L.
POPPY Avi
RALPH S. MOUSE Cleary, B.
SHILOH Naylor, P.
THE STORY OF KING ARTHUR AND HIS KNIGHTS Pyle, H.
THE LIGHTNING THIEF Riordan,R.
THE RED ROSE BOX Woods, B.
THE RED PYRAMID Riordan, R
SCHOOLED Gordon Korman
THE SECRET GARDEN Burnett, F.
THE SILENT STORM Garland, S.
SOUNDER Armstrong, W.
SUMMER OF MY GERMAN SOLDIER Green, B.
SUMMER OF THE MONKEYS Rawls, W.
TANGERINE Bloor, E.
TIES THAT BIND,TIES THAT BREAK Namioka,L.
TREASURE ISLAND Stevenson, R.
TUCK EVERLASTING Babbitt, N.
WALK TWO MOONS, Creech, S.
THE WATSONS GO TO BIRMINGHAM Curtis,C.
THE WESTING GAME Raskin, E.
WHERE THE LILIES BLOOM Cleaver, V.
WHERE THE RED FERN GROWS Rawls, W.
THE WOLVES OF WILLOUGHBY CHASE Aiken, J.
A WRINKLE IN TIME L'Engle, M.

A Boy at War by Harry Mazer
A Long Walk to Water by Linda Sue Park
A Long Way from Chicago by Richard Peck
Al Capone Does My Shirts By Gennifer Choldenko
A Series of Unfortunate Events Series by Lemony Snicket

Allies by Alan Gratz
Brighty of the Grand Canyon by Marguerite Henry
Charlotte's Web by E. B. White
Chomp by Carl Hiaasen
Diary of a Wimpy Kid Series by Jeff Kinney
Fablehaven by Brandon Mull
Frindle by Andrew Clements
Harriet the Spy by Louise Fitzhugh
How to Eat Fried Worms by Thomas Rockwell
James and the Giant Peach by Roald Dahl
Kokopelli's Flute by Will Hobbs
Love That Dog by Sharon Creech
Mrs. Frisby and the Rats of NIHM by Robert C. O'Brien
One Crazy Summer by Rita Williams-Garcia
Pax by Sara Pennypacker
Rascal by Sterling North
Rules by Cynthia Lord
Runaway Ralph by Beverly Cleary
Stone Fox by John Reynolds
Gardiner Tales from Silver Lands by Charles J. Finger
The Black Stallion by Walter Farley
The Boy Who Harnessed the Wind by William Kamkwamba & Bryan Mealer
The Cow-Tail Switch and other West African Stories by Harold Courlander and George Herzog
The Cricket in Times Square by George Selden
The Egypt Game by Zilpha Keatley Snyder
The Incredible Journey by Sheila Burnford
The Indian in the Cupboard by Lynne Reid Banks
The Library Card by Jerry Spinelli
The One and Only Ivan by Katherine Applegate
The Penderwicks: A Summer Tale of Four Sisters, Two Rabbits, and a Very Interesting Boy by Jeanne Birdsall
Prisoner by Alan Gratz
Project 1065 by Alan Gratz
Refugee by Alan Gratz
The Sign of the Beaver by Elizabeth George Speare
The War That Saved My Life by Kimberly Brubaker Bradley
The Watsons Go to Birmingham — 1963 by Christopher Paul Curtis
The Word Eater by Mary Amato Wayside School Series by Louis Sachar

New in 2021 by Student Request

Up The Creek by Kevin Miller
Destiny's Safari (Series) by Sally M Jones
The Last Musketeer (series) by Stuart Gibbs
Spy School by Stuart Gibbs
Everlost by Neal Shusterman
Navigating Early by Clare Vanderpool
Dough Boys by Paula Chase
New Kid by Jerry Craft
The Usual Suspects by Maurice Broaddus
Beverly, Right Here by Kate DiCamillo
The Apothecary Series by Maile Meloy
H.I.V.E by Mark Walden

SUMMER MATH PACKET
Rising 5th Grade
June-August, 2023

Name _____

Dear Students and Families -

This packet provides practice pages from your 4th Grade workbook. It reviews math skills learned this past year. Students should look through the entire packet to see what topics are covered. They should complete ONE page each week (front and back of one page) in order to complete the packet by the first day of school. DO NOT WAIT UNTIL AUGUST to start! This should be a gentle review of skills to prepare you for a smooth start when we return in the Fall. An ANSWER KEY for the ODD problems is provided. Some problems are crossed out and do not need to be completed.

Parent signature: _____ Date: _____

Name _____ Help Practice Buddy Tools Games

Homework & Practice 2-3
Add Whole Numbers

1

Another Look!

You can add two or more numbers when you line up the numbers by place value. Add one place at a time.

Find 3,456 + 2,139 + 5,547. Estimate: 3,500 + 2,100 + 5,500 = 11,100

Step 1

Line up the numbers by place value.

Add the ones.

Regroup if needed.

$$\begin{array}{r} {\scriptstyle 2} \\ 3{,}456 \\ 2{,}139 \\ +\,5{,}547 \\ \hline 2 \end{array}$$

Regroup 22 ones as 2 tens and 2 ones.

Step 2

Add the tens and hundreds.

Regroup if needed.

$$\begin{array}{r} {\scriptstyle 1\ 1\ 2} \\ 3{,}456 \\ 2{,}139 \\ +\,5{,}547 \\ \hline 142 \end{array}$$

Keep digits in columns as you add.

Step 3

Add the thousands.

Remember to regroup for ten thousands if necessary.

$$\begin{array}{r} {\scriptstyle 1\ 1\ 2} \\ 3{,}456 \\ 2{,}139 \\ +\,5{,}547 \\ \hline 11{,}142 \end{array}$$

11,142 is close to the estimate of 11,100.

Use estimation to check if your answer is reasonable.

For **1–8**, find each sum.

1. 9,945 + 3,343

2. 12,566 + 5,532

3. 387,969 + 562,031

4. 629,979 + 294,116 + 75,905

5. 227,418 + 196,735 + 48,062

6. 82,011 + 96,489 + 76,988

7. 126,267 + 15,809 + 8,764

8. 45,101 + 35,099 + 10,000

Name ____________________

Help Practice Buddy Tools Games

Homework & Practice 2-5
Subtract Across Zeros

Another Look!

Find 700,402 − 297,354.

Estimate: 700,000 − 300,000 = 400,000

Step 1

```
  700,402
− 297,354
```

You cannot subtract 4 ones from 2 ones, so you must regroup. Since there is a zero in the tens place, you must regroup 4 hundreds as 3 hundreds, 9 tens, and 10 ones.

```
       9
      31012
  700,4̸0̸2̸
− 297,354
```

Step 2

```
   9      9
  61010  31012
  7̸0̸0̸,4̸0̸2̸
− 297,354
```

Since there are zeros in the thousands and ten thousands places, you can regroup 700 thousands as 6 hundred thousand 9 ten thousands, and 10 thousands.

Step 3

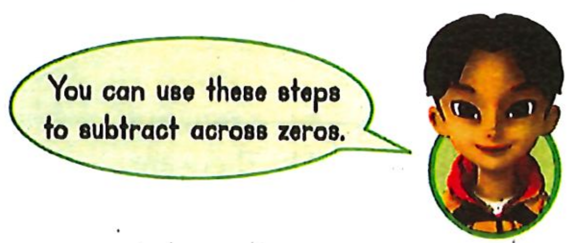
```
   9      9
  61010  31012
  7̸0̸0̸,4̸0̸2̸
− 297,354
  403,048
```

Now you can subtract.

Step 4

```
  11  11
  297,354
+ 403,048
  700,402
```

You can check your answer by using addition.



For **1–12**, subtract.

1. 61,070 − 4,981

2. 5,707 − 2,058

3. 815,950 − 423,147

4. 90,800 − 37,638

5. 102,604 − 6,174

6. 22,700 − 20,487

7. 40,200 − 29,526

8. 600,470 − 307,299

9. 8,106 − 2,999

10. 214,507 − 83,569

11. 10,400 − 6,392

12. 45,500 − 9,450

Name _____

Guided Practice*

Do You Understand?

1. What is the missing factor?

$$\begin{array}{r} 47 \\ \times \quad \square\square \\ \hline 94 \\ +\ 1,410 \\ \hline 1,504 \end{array}$$

2. **Look for Relationships** When you use the algorithm shown on the previous page to multiply two 2-digit numbers, why does the second partial product end in 0?

Do You Know How?

For **3–6**, find the products. Draw area models as needed.

3.
$$\begin{array}{r} 37 \\ \times \quad 83 \\ \hline \square\square\square \\ +\ \square,\square\square\square \\ \hline \square,\square\square\square \end{array}$$

4.
$$\begin{array}{r} 62 \\ \times \quad 17 \\ \hline \square\square\square \\ +\ \square\square\square \\ \hline \square,\square\square\square \end{array}$$

5. $\begin{array}{r} 43 \\ \times 56 \end{array}$

6. $\begin{array}{r} 67 \\ \times 39 \end{array}$

Independent Practice

For **7–21**, find each product.

7. $\begin{array}{r} 36 \\ \times 29 \end{array}$

8. $\begin{array}{r} 84 \\ \times 37 \end{array}$

9. $\begin{array}{r} 47 \\ \times 46 \end{array}$

10. $\begin{array}{r} 71 \\ \times 63 \end{array}$

11. $\begin{array}{r} 89 \\ \times 52 \end{array}$

12. $\begin{array}{r} 25 \\ \times 64 \end{array}$

13. $\begin{array}{r} 77 \\ \times 33 \end{array}$

14. $\begin{array}{r} 92 \\ \times 19 \end{array}$

15. $\begin{array}{r} 54 \\ \times 64 \end{array}$

16. $\begin{array}{r} 75 \\ \times 35 \end{array}$

17. 18×21

18. 12×17

19. 72×55

20. 67×14

21. 99×11

*For another example, see Set I on page 242.

Problem Solving

4

22. Fill in the missing digits to complete the calculation.

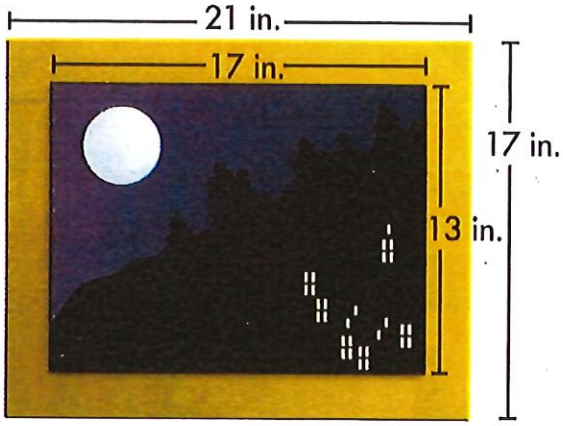
Which digit must go in the ones place of the first partial product?

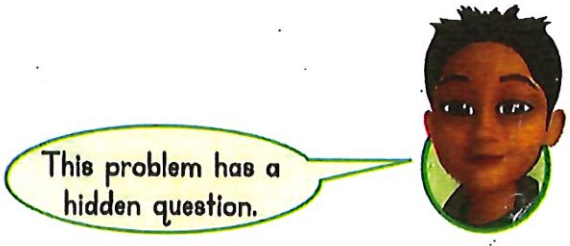
Optional

$$\begin{array}{r} 3\,7 \\ \times\ \square\,6 \\ \hline 2\square\square \\ +\ 7\,4\,0 \\ \hline 9\square\,2 \end{array}$$

23. One pine tree produced 78 pinecones with an average of 42 seeds in each pinecone. Another tree produced 72 pinecones with an average of 53 seeds in each pinecone. Estimate to find which pine tree produced more seeds. Multiply to check your estimate.

24. Higher Order Thinking A picture is 13 inches long and 17 inches wide. It is placed in a wood frame. What is the area of the frame?





This problem has a hidden question.

Assessment

25. An airport serves 14 different airlines. Each airline schedules 45 departing flights each day. How many flights depart from the airport in one day?

- Ⓐ 205 flights
- Ⓑ 550 flights
- Ⓒ 610 flights
- Ⓓ 630 flights

26. Patrick picks 18 apples from each of 24 trees. How many apples did Patrick pick?

- Ⓐ 432 apples
- Ⓑ 622 apples
- Ⓒ 834 apples
- Ⓓ 934 apples

Name _____

Help Practice Buddy Tools Games

5

Homework & Practice 5-9

Continue to Divide with 1-Digit Numbers

Another Look!

Use the same steps for dividing a 4-digit number that you used for dividing 3-digit numbers.

Find 5,490 ÷ 6.

Estimate first. You can use compatible numbers to divide mentally.

54 is a multiple of 6.

5,400 is close to 5,490, and 5,400 ÷ 6 is easy to divide.

5,400 ÷ 6 = 900

Divide to find the actual quotient.

$$\begin{array}{r} 915 \\ 6\overline{)5{,}490} \\ -\,54 \\ \hline 09 \\ -\,6 \\ \hline 30 \\ -\,30 \\ \hline 0 \end{array}$$

Compare. Is the estimate close to the quotient?

The estimate of 900 is close to the actual quotient of 915, so the answer is reasonable.

For 1–2, estimate first. Then find each quotient.

1. Divide 4,318 ÷ 7.

Estimate: ÷ =

4,318 ÷ 7 =

2. Divide 4,826 ÷ 5.

Estimate: ÷ =

4,826 ÷ 5 =

Pick 3 to solve.

3. $8\overline{)4{,}377}$

4. $9\overline{)7{,}192}$

5. $6\overline{)2{,}750}$

6. $4\overline{)6{,}208}$

7. $7\overline{)2{,}025}$

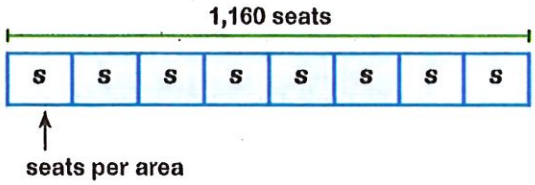
8. $5\overline{)9{,}490}$

6

9. Math and Science Sound travels in waves. In dry air at 20° Celsius, sound travels about 343 meters in one second. How many meters will sound travel in 7 seconds?

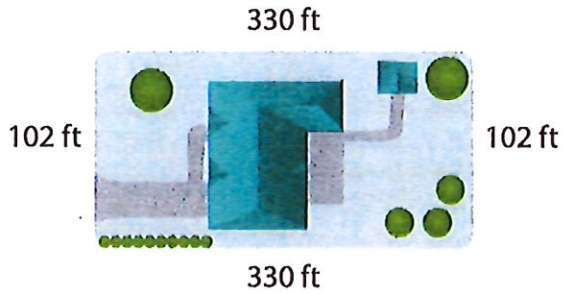
10. Construct Arguments Lilly estimated a quotient of 120 and found an actual quotient of 83. What should she do next? Explain.

11. At the airport, there are a total of 1,160 seats in the waiting areas. There are 8 separate, same size, waiting areas. How many seats are in each waiting area?



12. A fence around the school football field is 1,666 feet long. Seven teams of students will paint the fence. Each team will paint an equal length of the fence. What length of the fence will each team paint?

13. Higher Order Thinking Mr. Conners put a fence around the outside of his rectangular yard shown at the right. He put a fence post every 6 feet. How many fence posts did he use?



Optional

Assessment

14. Use each number in the box once to complete the division.

$$\begin{array}{r} 1,\square\square 41\text{ R}\square \\ 5\overline{)6,20\square} \\ -5 \\ \hline 1\square \\ -1\square \\ \hline \square 0 \\ -20 \\ \hline 06 \\ -\square \\ \hline \square \end{array}$$

0	1	1	2
2	2	5	6

me

Practice Buddy | Tools | Assessment

7

Guided Practice*

Do You Understand?

1. Use division to show $\frac{9}{12}$ and $\frac{3}{4}$ are equivalent fractions.

Example: $\frac{9 \div 3}{12 \div 3} = \frac{3}{4}$

2. **Reasoning** Is there a fraction with a smaller numerator and denominator that is equivalent to $\frac{4}{12}$? Explain.

Do You Know How?

For **3–8**, divide to find equivalent fractions.

3. $\frac{6}{10} = \frac{\square}{\square}$

4. $\frac{8}{12} = \frac{\square}{\square}$

5. $\frac{8}{12} = \frac{\square}{3}$

6. $\frac{10}{12} = \frac{5}{\square}$

7. $\frac{2}{10} = \frac{\square}{5}$

8. $\frac{10}{100} = \frac{\square}{10}$

Independent Practice*

Leveled Practice For **9–16**, divide to find equivalent fractions.

9. $\frac{6}{12} \div \frac{6}{6} = \frac{\square}{\square}$

10. $\frac{70}{10} \div \frac{5}{5} = \frac{\square}{\square}$

11. $\frac{2}{6} \div \frac{2}{2} = \frac{\square}{\square}$

12. $\frac{50}{100} \div \frac{10}{10} = \frac{\square}{\square}$

13. $\frac{9}{6} \div \frac{\square}{\square} = \frac{3}{\square}$

14. $\frac{10}{4} \div \frac{\square}{\square} = \frac{\square}{2}$

15. $\frac{4}{12} \div \frac{\square}{\square} = \frac{\square}{6}$

16. $\frac{2}{8} \div \frac{\square}{\square} = \frac{\square}{4}$

For **17–24**, divide to find two equivalent fractions.

17. $\frac{20}{100}$

Example:
18. $\frac{40 \div 2}{10 \div 2} = \frac{20}{5}$ or $\frac{40 \div 5}{10 \div 5} = \frac{8}{2}$

19. $\frac{16}{12}$

20. $\frac{12}{8}$

21. $\frac{24}{12}$

22. $\frac{10}{100}$

23. $\frac{90}{10}$

24. $\frac{80}{100}$

For another example, see Set B on page 455.

Problem Solving

For **25–27**, use the table at the right.

25. Complete the table at the right by writing the fraction of the day each animal sleeps and an equivalent fraction. Remember, there are 24 hours in a day.

26. Suppose the cow slept 4 more hours. What fraction of the day would the cow spend sleeping?

27. How many hours does a tiger sleep in 7 days?

Animal	Number of Hours Spent Sleeping	Fraction of the Day Spent Sleeping	Equivalent Fraction
Cat 	12		
Cow 	4		
Squirrel 	15		
Tiger 	16		

28. Make Sense and Persevere Ethan ate $\frac{4}{8}$ of the sandwich. Andy ate $\frac{1}{2}$ of the sandwich. The sandwiches were the same size.

a. Whose sandwich had more equal parts?

b. Whose sandwich had larger equal parts?

c. Who ate more? Explain.

29. Higher Order Thinking If the numerator and denominator of a fraction are both odd numbers, can you write an equivalent fraction with a smaller numerator and denominator? Explain.

Assessment

30. Which equation is **NOT** true?

Ⓐ $\frac{12}{10} = \frac{6}{5}$

Ⓑ $\frac{3}{1} = \frac{30}{10}$

Ⓒ $\frac{6}{12} = \frac{2}{3}$

Ⓓ $\frac{8}{6} = \frac{16}{12}$

31. There are 12 students in DeLynn's class. Eight students own pets. Which shows the fraction of the class that owns pets?

Ⓐ $\frac{8}{12}$

Ⓑ $\frac{1}{2}$

Ⓒ $\frac{6}{4}$

Ⓓ $\frac{12}{8}$

9

ame _____

Guided Practice*

Do You Understand?

1. Brenda adds $1\frac{1}{8}$ cups of peat moss to her soil in the problem on the previous page. How much soil does Brenda now have? Explain.

2. **Make Sense and Persevere** Use another strategy to find the sum of $4\frac{2}{8} + 1\frac{1}{8}$.

Do You Know How?

For **3–8**, find each sum.

3. $1\frac{7}{8} + 1\frac{2}{8}$

4. $2\frac{4}{10} + 5\frac{5}{10}$

5. $4\frac{2}{3} + 1\frac{2}{3}$

6. $6\frac{5}{12} + 4\frac{11}{12}$

7. $2\frac{1}{3} + 2\frac{1}{3}$

8. $8\frac{9}{12} + 5\frac{5}{12}$

Independent Practice

Leveled Practice For **9–22**, find each sum by adding mixed numbers or by adding equivalent fractions.

9. **a.** Add the fractions.
   b. Add the whole numbers.
   c. Write the fraction as a mixed number.

$$1\frac{3}{6} + 2\frac{4}{6} = \square = \square$$

10. **a.** Write the mixed numbers as fractions.
    b. Add the fractions.
    c. Write the fraction as a mixed number.

$$2\frac{1}{4} = \square$$
$$+ 3\frac{2}{4} = + \square$$
$$\square = \square$$

11. $2\frac{5}{6} + 5\frac{4}{6}$

12. $11\frac{7}{10} + 10\frac{9}{10}$

13. $9\frac{7}{8} + 7\frac{5}{8}$

14. $5\frac{7}{8} + 8\frac{1}{8}$

15. $4\frac{1}{10} + 6\frac{5}{10}$

16. $9\frac{7}{12} + 4\frac{9}{12}$

17. $5 + 3\frac{1}{8}$

18. $8\frac{3}{4} + 7\frac{3}{4}$

19. $2\frac{4}{5} + 7\frac{3}{5}$

20. $3\frac{2}{6} + 8\frac{5}{6}$

21. $1\frac{7}{12} + 2\frac{10}{12}$

22. $3\frac{6}{8} + 9\frac{3}{8}$

*For another example, see Set E on page 534.

Problem Solving

For **23**, use the map at the right.

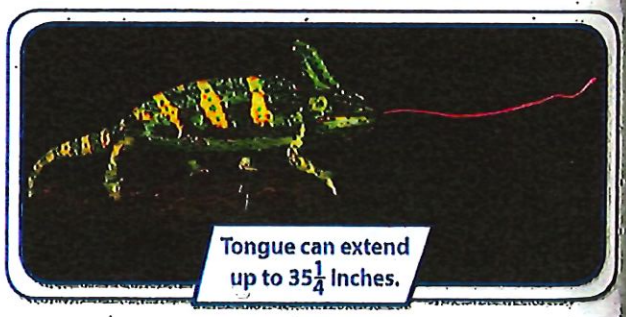
23. a. Find the distance from the start of the trail to the end of the trail.

b. Linda walked from the start of the trail to the bird lookout and back. Did Linda walk more or less than if she had walked from the start of the trail to the end?

24. Joe biked $1\frac{9}{12}$ miles from home to the lake, then went some miles around the lake, and then back home. Joe biked a total of $4\frac{9}{12}$ miles. How many miles did Joe bike around the lake?

25. Reasoning The bus took $4\frac{3}{5}$ hours to get from the station to Portland and $3\frac{4}{5}$ hours to get from Portland to Seattle. How long did the bus take to get from the station to Seattle?

26. Higher Order Thinking A male Parson's chameleon can be up to $23\frac{3}{4}$ inches long. It can extend its tongue up to $35\frac{1}{4}$ inches. What are 3 possible lengths for the chameleon when its tongue is extended?



Assessment

27. How long an extension cord can Julie make by attaching a $22\frac{3}{8}$ foot and a $26\frac{6}{8}$ foot cord together? Select all the possible sums.

- ☐ $22\frac{3}{8} + 26\frac{6}{8} = \frac{393}{8}$
- ☐ $22\frac{3}{8} + 26\frac{6}{8} = 49\frac{9}{12}$
- ☐ $22\frac{3}{8} + 26\frac{6}{8} = 49\frac{1}{8}$
- ☐ $22\frac{3}{8} + 26\frac{6}{8} = 48\frac{9}{8}$
- ☐ $22\frac{3}{8} + 26\frac{6}{8} = 48$

28. Mary skips $22\frac{1}{3}$ yards down a trail, then hops another $15\frac{2}{3}$ yards. How far is Mary down the trail? Select all the possible sums.

- ☐ $22\frac{1}{3} + 15\frac{2}{3} = 37$
- ☐ $22\frac{1}{3} + 15\frac{2}{3} = 37\frac{3}{3}$
- ☐ $22\frac{1}{3} + 15\frac{2}{3} = 38$
- ☐ $22\frac{1}{3} - 15\frac{2}{3} = 6\frac{2}{3}$
- ☐ $22\frac{1}{3} + 15\frac{2}{3} = \frac{114}{3}$

ame _____ Help Practice Buddy Tools Games

Homework & Practice 9-10
Subtract Mixed Numbers

Another Look!

Janet grew a pumpkin that weighs $13\frac{3}{4}$ pounds and a melon that weighs $8\frac{2}{4}$ pounds. How much heavier is the pumpkin than the melon?

Subtract Mixed Numbers

$$\begin{array}{r} 13\frac{3}{4} \\ -\ 8\frac{2}{4} \\ \hline 5\frac{1}{4} \end{array}$$

a. Subtract the fractions. Rename whole numbers as fractions as needed.

b. Subtract the whole numbers.

Subtract Fractions

$$\begin{array}{r} 13\frac{3}{4} = \frac{55}{4} \\ -\ 8\frac{2}{4} = -\frac{34}{4} \\ \hline \frac{21}{4} = 5\frac{1}{4} \end{array}$$

a. Write the mixed numbers as fractions.

b. Subtract the fractions.

c. Write the fraction as a mixed number.

The pumpkin is $5\frac{1}{4}$ pounds heavier than the melon.

For **1–16**, find each difference by subtracting mixed numbers or subtracting equivalent fractions.

1. $10\frac{3}{4} - 7\frac{1}{4}$

2. $7\frac{4}{6} - 2\frac{3}{6}$

3. $3 - 2\frac{2}{3}$

4. $17\frac{8}{12} - 12\frac{3}{12}$

5. $9\frac{2}{6} - 6\frac{5}{6}$

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

7. $6\frac{3}{12} - 3\frac{4}{12}$

8. $5\frac{2}{8} - 3\frac{7}{8}$

9. $8\frac{1}{4} - 7\frac{3}{4}$

10. $2\frac{9}{10} - 2\frac{5}{10}$

11. $6\frac{5}{6} - 5\frac{4}{6}$

12. $3 - 1\frac{3}{4}$

13. $11 - 2\frac{1}{2}$

14. $42\frac{6}{10} - 10$

15. $18\frac{1}{5} - 2\frac{2}{5}$

16. $27\frac{2}{6} - 12\frac{1}{6}$

17. **Vocabulary** Use a vocabulary word to complete the sentence.

A number that has a whole number part and a fraction part is a called a(n) _____.

18. Some of the world's smallest horses include Thumbelina who stands $17\frac{1}{4}$ inches tall, Black Beauty who stands $18\frac{2}{4}$ inches tall, and Einstein who stands 14 inches tall.

a. How much taller is Black Beauty than Thumbelina?

b. How much taller is Thumbelina than Einstein?

19. **Reasoning** If Carol hangs a picture using $\frac{3}{8}$ yard of a wire that is $1\frac{1}{8}$ yards long, how much wire will Carol have left?

20. Write 6,219 in expanded form.

21. **Higher Order Thinking** Some of the largest insects in the world include the Rhinoceros Beetle, the Giant Walking Stick, and the Giant Weta Beetle. How much longer is the Giant Walking Stick than the Rhinoceros Beetle and the Giant Weta Beetle combined?

Assessment

22. Jessie needs a board $7\frac{9}{12}$ feet long. She has a board $9\frac{1}{12}$ feet long. How much of the length does Jessie need to cut from the board? Use equivalent fractions to solve.

Ⓐ $1\frac{1}{3}$ feet

Ⓑ $2\frac{8}{12}$ feet

Ⓒ $2\frac{2}{3}$ feet

Ⓓ $16\frac{10}{12}$ feet

23. Robyn ran $5\frac{3}{4}$ miles last week. She ran $4\frac{1}{4}$ miles this week. How many more miles did Robyn run last week? Use equivalent fractions to solve.

Ⓐ $1\frac{1}{4}$ miles

Ⓑ $1\frac{1}{2}$ miles

Ⓒ $1\frac{3}{4}$ miles

Ⓓ 10 miles

5th Summer Math Review Packet Answer Key

Page 1 (textbook page 63)

1. 13,288
3. 950,000
5. 472,215
7. 150,840

Page 2 (textbook page 75)

1. 56,089
3. 393,803
5. 96,430
7. 10,674
9. 5,107
11. 4,008

Page 3 (textbook page 227)

1. 32
3. 111 + 2,960 = 3,071
5. 2,408
7. 1,044
9. 2,162
11. 4,628
13. 2,541
15. 3,456
17. 378
19. 3,960
21. 1,089

Page 4 (textbook page 228)

23. Tree 2 made more
25. D

Page 5 (textbook page 305)

1. Estimate: 4,200 ÷ 7 = 600
   Answer: 616 R 6
3. 547 R 1
5. 458 R 2
7. 289 R 2

Page 6 (textbook page 306)

9. 2,401 meters
11. 145 seats
13. 144 fence posts

Page 7 (textbook page 431)

1. $\frac{9}{12} \div \frac{3}{3} = \frac{3}{4}$
3. $= \frac{3}{5}$
5. 2
7. 1
9. $\frac{1}{2}$
11. $\frac{1}{3}$

Page 7 (textbook page 431) continued

13. $\frac{9}{6} \div \frac{3}{3} = \frac{3}{2}$

15. $\frac{4}{12} \div \frac{2}{2} = \frac{2}{6}$

17. $\frac{20}{100} = \frac{10}{50} = \frac{1}{5} = \frac{5}{25} = \frac{4}{20} = \frac{2}{10}$

19. $\frac{16}{12} = \frac{8}{6} = \frac{4}{3}$

21. $\frac{24}{12} = \frac{2}{1} = \frac{12}{6} = \frac{6}{3} = \frac{8}{4}$

23. $\frac{90}{10} = \frac{9}{1} = \frac{45}{5} = \frac{18}{2}$

Page 8 (textbook page 432)

25. See table below

Animal	Fraction Sleeping	Equivalent Fraction
Cat	$\frac{12}{24}$	$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$
Cow	$\frac{4}{24}$	$\frac{2}{12} = \frac{1}{6}$
Squirrel	$\frac{15}{24}$	$\frac{5}{8}$
Tiger	$\frac{16}{24}$	$\frac{2}{3} = \frac{4}{6} = \frac{8}{12}$

27. 112 hours

29. Possibly, depending on the fraction.

31. A

Page 9 (textbook page 515)

1. $4\frac{2}{8} + 1\frac{1}{8} = 5\frac{3}{8}$

3. $3\frac{1}{8}$

5. $6\frac{1}{3}$

7. $4\frac{2}{3}$

9. $4\frac{1}{6}$

11. $8\frac{1}{2}$

13. $17\frac{1}{2}$

15. $10\frac{6}{10} = 10\frac{3}{5}$

17. $8\frac{1}{8}$

19. $10\frac{2}{5}$

21. $4\frac{5}{12}$

Page 10 (textbook page 516)

23. a. $6\frac{3}{4}$ miles
    b. She walked more

25. $7\frac{2}{5}$ hours

27. Sums 1, 3, and 4

Page 11 (textbook page 523)

1. $3\frac{2}{4} = 3\frac{1}{2}$

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

5. $2\frac{3}{6} = 2\frac{1}{2}$

7. $2\frac{11}{12}$

9. $\frac{2}{4} = \frac{1}{2}$

11. $1\frac{1}{6}$

13. $8\frac{1}{2}$

15. $15\frac{4}{5}$

Page 12 (textbook page 524)

17. Mixed number

19. $\frac{6}{8}$ yards $= \frac{3}{4}$ yards

21. $28\frac{1}{10}$

23. B