



June 9, 2026

Dear Parents,

Welcome to fifth grade at PHPS. We are thrilled your family will be joining our school community. Summer should be a respite for students, a time for play and an opportunity for connecting with family and friends. However, did you know that research shows students can lose up to 34% of the academic progress made during the school year? Sprinkling in some math and reading practice throughout summer will reinforce skills attained this school year and ensure your child is prepared and confident when starting the new school year. All PHPS students are expected to complete summer math and reading assignments to reinforce and strengthen learned concepts and skills. Please see the requirements below and reach out if you have any questions.

Summer Reading Requirements

Rising fifth graders will read and record 4 books on the enclosed reading log. Your child will then select one of the books to complete a creative project from the list provided. The completed reading log and the project are due on August 25, 2026.

Book Project Options:

Choose **one** project to complete after reading your book:

1. Cereal Box Book Report

Cover an empty cereal box with paper and decorate it with content related to the book.

- Create a new title for your cereal that relates to the book.
- Design the front with a drawing or image.
- Use the sides to include information such as characters, themes, setting, main idea, or a summary.

2. Book Trailer

Create a short video that promotes your book—just like a movie trailer! Use video-editing software such as WeVideo, iMovie, or any app on your device to add images, sound, and transitions. Be creative—but don't give away the ending!

3. Board Game

Design a board game inspired by your book. Incorporate characters, settings, and plot elements into the gameplay. Players might answer trivia questions or solve challenges based on events from the story.

4. Comic Strip

Tell part of the story through a comic strip. Choose a scene, a chapter, or summarize the whole book using comic panels. You can draw it by hand or use digital tools like Storyboard That or Comic Life.

5. PowerPoint Book Report

Create a slideshow presentation with the following:

- Book title and author
- Summary of the story
- Key themes
- Main characters and their traits

Feel free to add creative design elements, visuals, and transitions!

Summer Math

Please see the enclosed information for the PHPS summer math assignments. If your child cannot complete a math problem, please circle the item, and your child's teacher will work with him/her on this particular concept during the first week of school. Circled items will not impact your child negatively. Students are also encouraged to practice math facts at least weekly throughout the summer to continue building fact fluency.

In addition to the educational benefits from completing the summer math and reading assignments, students who complete their math packet and reading project by August 25, 2026 will be recognized and invited to a special celebration in the fall to celebrate their hard work.

Have a wonderful summer, and I look forward to seeing you and your child in August!

Sincerely,



[illegible]

Summer Math Packet

Dear Families,

We have had a fantastic year learning and growing in math! To keep those skills sharp over the summer, we have put together this math packet reviewing what we learned this year. Completing a little bit each week will help your child stay confident and prepared for the next school year.

How to Use This Packet:

- Pace yourself! Aim to complete about **two pages per week** so that math stays fresh without being overwhelming.
- Work on **fact fluency** throughout the summer. Flashcards and games are a great way to build speed and accuracy with basic facts.
- We have included an **extra sheet with fun activities** to help strengthen fluency in an engaging way.

Summer is a time for fun and relaxation, but keeping up with math in small ways will make a big difference!

Thank you for supporting your child's learning.

Have a wonderful summer!

Sincerely,

Some Fun Activities to help with Fluency! Please use what works best for you!!!

Fun Fact Fluency Activities

1. **Flashcard Races** – Time yourself or a partner to see how fast you can solve a set of flashcards.
2. **Math War** – Use a deck of cards to play addition, subtraction, multiplication, or division war.
3. **Dice Roll Equations** – Roll two dice and add, subtract, multiply, or divide the numbers.
4. **Math Scavenger Hunt** – Find objects around the house and use them to create math problems.
5. **Cooking with Math** – Measure ingredients and double or halve a recipe for practice.
6. **Outdoor Number Hop** – Write numbers on the pavement and jump to solve equations.
7. **Grocery Store Challenge** – Add up prices or figure out change while shopping.
8. **Board Games with Math** – Play games like Monopoly, Yahtzee, or Sum Swamp to practice math skills.
9. **Number of the Day** – Pick a number and find different ways to make it using addition, subtraction, multiplication, and division.
10. **Math Story Problems** – Create and solve real-life math problems with family or friends.

MATH FACT FLUENCY ACTIVITIES

These are some things your child would benefit from doing at home to build fact fluency. Make it fun and a family activity.

Addition or Multiplication War Use a deck of cards or make a deck of cards numbered 0-9. Two players put down a card at the same time. The first one to correctly add or multiply the cards together gets to keep the cards. The winner is the person with the most cards.	Flash Cards Use your own addition or multiplication flash. Practice the flash cards together. <i>**The Dollar Tree is a great place to pick some up.**</i>	Fact Families Pick any basic addition or multiplication fact such as $2 + 8 = 10$ or $2 \times 8 = 16$ and write the fact family. <table><tr><td>$2 + 8 = 10$</td><td>$10 - 2 = 8$</td></tr><tr><td>$8 + 2 = 10$</td><td>$10 - 8 = 2$</td></tr><tr><td>$2 \times 8 = 16$</td><td>$16 \div 2 = 8$</td></tr><tr><td>$8 \times 2 = 16$</td><td>$16 \div 8 = 2$</td></tr></table> Repeat this at least ten times.	$2 + 8 = 10$	$10 - 2 = 8$	$8 + 2 = 10$	$10 - 8 = 2$	$2 \times 8 = 16$	$16 \div 2 = 8$	$8 \times 2 = 16$	$16 \div 8 = 2$
$2 + 8 = 10$	$10 - 2 = 8$									
$8 + 2 = 10$	$10 - 8 = 2$									
$2 \times 8 = 16$	$16 \div 2 = 8$									
$8 \times 2 = 16$	$16 \div 8 = 2$									
Domino Facts Place dominoes face down on the table. Randomly select a domino and add or multiply the two sides together.	Spinner Addition or Multiplication Use a spinner from a board game that has digits 0-9 or make your own with a paper fastener and a paperclip. Spin the spinner twice and add or multiply the numbers together. Do this at least twenty times.	Grab Bag Facts Place digit cards in a bag that are 0-9. Grab 2-digit cards out of the bag at one time and add or multiply them together. Return the digit cards to the bag after each turn.								
Rolling Addends or Factors Take a pair of dice and roll them. Add or Multiply the dice together to find their sum or product. Do this at least twenty times.	Computer Time Any of the following websites can be useful for practicing fact fluency. <table><tr><th>Addition</th><th>Multiplication</th></tr><tr><td> • https://www.multiplication.com/games/addition-games • https://www.mathplayground.com/index_addition_subtraction.html • https://www.splashmath.com/math-skills/math-facts • http://www.abcya.com/third_grade_computers.htm#numbers-cat </td><td> • https://www.multiplication.com/games/all-gameshttps://www.mathplayground.com/multiplication01.html • https://www.timestables.com/games/ • http://www.abcya.com/clear_it_multiplication.htm </td></tr></table>		Addition	Multiplication	• https://www.multiplication.com/games/addition-games • https://www.mathplayground.com/index_addition_subtraction.html • https://www.splashmath.com/math-skills/math-facts • http://www.abcya.com/third_grade_computers.htm#numbers-cat	• https://www.multiplication.com/games/all-gameshttps://www.mathplayground.com/multiplication01.html • https://www.timestables.com/games/ • http://www.abcya.com/clear_it_multiplication.htm				
Addition	Multiplication									
• https://www.multiplication.com/games/addition-games • https://www.mathplayground.com/index_addition_subtraction.html • https://www.splashmath.com/math-skills/math-facts • http://www.abcya.com/third_grade_computers.htm#numbers-cat	• https://www.multiplication.com/games/all-gameshttps://www.mathplayground.com/multiplication01.html • https://www.timestables.com/games/ • http://www.abcya.com/clear_it_multiplication.htm									

Practice Set 1

- ① In 16,075, what is the value of 5? _____ 1? _____ 7? _____
- ② In 239,046, what is the value of 9? _____ 0? _____ 2? _____
- ③ In 8,942, what is the value of 2? _____ 8? _____ 4? _____
- ④ In 721,385, what is the value of 2? _____ 3? _____ 7? _____

Write the number words for the following.

- ⑤ 564,290 _____
- ⑥ 48,128 _____
- ⑦ 773,963 _____
- ⑧ 102,756 _____
- ⑨ Write a number in which the digit 8 is worth 10 times as much as it is in 81. _____
- ⑩ Write a number in which the digit 3 is worth 10 times as much as it is in 302. _____
- ⑪ Write a number in which the digit 1 is worth 10 times as much as it is in 62,901. _____
- ⑫ Write a number in which the digit 9 is worth 10 times as much as it is in 4,915. _____

Use digits to write the following numbers.

- ⑬ seven hundred eighteen thousand, nine hundred twenty

- ⑭ fourteen thousand, seventy-eight

- ⑮ thirty-eight thousand, five

- ⑯ five hundred sixty-nine thousand, two hundred thirty-one

Practice Set 3

Round each number to the nearest thousand, ten-thousand, and hundred-thousand.

		Thousand	Ten-Thousand	Hundred-Thousand
①	605,318			
②	89,447			
③	542,366			
④	49,092			

Write $>$, $<$ or $=$.

⑤ $6,985$ _____ $6,367$

⑥ 459 _____ 489

⑦ $1,640$ _____ $1,643$

⑧ $10,387$ _____ $10,340$

Add.

⑨ $5 + 5 =$ _____

$5 + 50 =$ _____

$50 + 50 =$ _____

⑩ $2 + 7 =$ _____

$20 + 7 =$ _____

$20 + 70 =$ _____

⑪ $6 + 4 =$ _____

$60 + 4 =$ _____

$60 + 40 =$ _____

⑫ $8 + 9 =$ _____

$8 + 90 =$ _____

$80 + 90 =$ _____

Solve.

⑬ The Coffee-to-Go Café uses about 10 gallons of milk per day.

(A) About how many gallons of milk does it use in a week (7 days)? _____ gallons

(B) How many gallons in 5 weeks? _____ gallons

(C) How many gallons in 10 weeks? _____ gallons

Practice Set 7

Solve each problem using U.S. traditional addition. Then solve the same problem using either column addition or partial-sums addition.

① 294 + 51 <u> </u>	294 + 51 <u> </u>	② 87 + 66 <u> </u>	87 + 66 <u> </u>
③ 304 + 918 <u> </u>	304 + 918 <u> </u>	④ 1,264 + 550 <u> </u>	1,264 + 550 <u> </u>

- ⑤** Use the clues to complete the place-value puzzle.

10,000s	1,000s	100s	10s	1s

- Divide 72 by 6. Subtract 4 and write the result in the ones place.
- Double the number in the ones place and divide by 8. Write the result in the tens place.
- Multiply 9×10 . Subtract 83. Write the result in the hundreds place.
- Halve the number in the tens place. Multiply by 3 and write the result in the thousands place.
- Divide 27 by the number in the thousands place. Write the result in the ten-thousands place.

Practice Set 11

① Draw and label point G.	② Draw and label ray YZ.	③ Draw and label line RS.
④ Draw and label line segment VW.	⑤ Draw and label line AB that is parallel to line CD.	⑥ Draw a line. Place four collinear points, J, K, L, and M, on the line.

⑦ **Writing/Reasoning** How are a ray and a line similar? How are they different?

Solve.

⑧
$$\begin{array}{r} 377 \\ + 905 \\ \hline \end{array}$$

⑨
$$\begin{array}{r} 640 \\ + 298 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 793 \\ - 555 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 400 \\ - 262 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 671 \\ + 454 \\ \hline \end{array}$$

⑬
$$\begin{array}{r} 270 \\ - 234 \\ \hline \end{array}$$

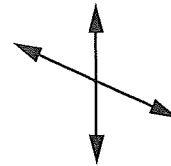
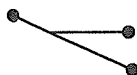
⑭
$$\begin{array}{r} 6,017 \\ + 872 \\ \hline \end{array}$$

⑮
$$\begin{array}{r} 1,829 \\ - 199 \\ \hline \end{array}$$

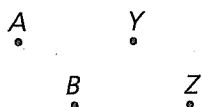
⑯
$$\begin{array}{r} 5,182 \\ - 3,093 \\ \hline \end{array}$$

Practice Set 12

- ① Write S next to each line segment. Write R next to each ray.
Write L next to each line. Circle each right angle.

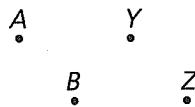


- ② Draw $\overleftrightarrow{AB}$ and $\overleftrightarrow{YZ}$.



Are the lines intersecting or parallel?

- ③ Draw $\overleftrightarrow{AZ}$ and $\overleftrightarrow{YB}$.



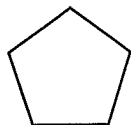
Are the lines intersecting or parallel?

Name the shape and fill in the information about each shape.

- ④ This shape is a _____.

It has _____ sides.

It has _____ vertices.



Are all sides the same length? _____

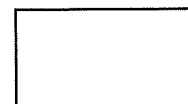
Are there any parallel sides? _____

Are there any perpendicular sides? _____

- ⑤ This shape is a _____.

It has _____ sides.

It has _____ vertices.



Are all sides the same length? _____

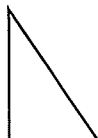
Are there any parallel sides? _____

Are there any perpendicular sides? _____

- ⑥ This shape is a _____.

It has _____ sides.

It has _____ vertices.



Are all sides the same length? _____

Are there any parallel sides? _____

Are there any perpendicular sides? _____

- ⑦ This shape is a _____.

It has _____ sides.

It has _____ vertices.



Are all sides the same length? _____

Are there any parallel sides? _____

Are there any perpendicular sides? _____

Practice Set 17

List the next ten multiples of each number.

- ① 7, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
- ② 3, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
- ③ 9, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
- ④ 4, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____
- ⑤ 8, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Add. Use any method you choose.

- ⑥ $795 + 616 =$ _____
- ⑦ $8,838 + 8,956 =$ _____
- ⑧ $8,214 + 5,488 =$ _____
- ⑨ $50,694 + 39,518 =$ _____

- ⑩ Use the clues to complete the place-value puzzle.

10,000s	1,000s	100s	10s	1s

- Divide 88 by 11. Add 1 and write the result in the thousands place.
- Double the number in the thousands place and divide by 3. Write the result in the tens place.
- Multiply 4×12 . Subtract 42. Write the result in the hundreds place.
- Divide 63 by the number in the thousands place. Write the result in the ones place.
- Halve the number in the tens place. Add 1 and write the result in the ten-thousands place.

Use digits to write the following numbers.

- ⑪ twenty-four thousand, nine hundred sixty-eight _____
- ⑫ seventy-six thousand, six hundred fourteen _____
- ⑬ six thousand, nine hundred two _____

Practice Set 22

Write an equation with an unknown to represent and solve each number story.

- ① Joy has a package of 6 balloons. She needs 4 times as much to decorate for a party. How many balloons does Joy need?

Equation with unknown: _____ Answer: _____ balloons

- ② There are 4 friends playing a bean bag toss game at Joy's party. There are 5 times as many people at the party. How many people are at Joy's party?

Equation with unknown: _____ Answer: _____ people

- ③ 16 party guests had lemonade, and 4 party guests had water to drink. The number of guests who had lemonade is how many times more than the number of guests who had water?

Equation with unknown: _____ Answer: _____ times more than

Complete the "What's My Rule?" tables and rule box.

④

in	
↓	
Rule	
out = in * 12	
	↓
	out

in	out
2	
3	36
	60
	72
8	

⑤

in	
↓	
Rule	
	↓
	out

in	out
8	24
14	30
	44
35	
43	59

Solve.

⑥
$$\begin{array}{r} 1,800 \\ - 927 \\ \hline \end{array}$$

⑦
$$\begin{array}{r} 3,684 \\ - 485 \\ \hline \end{array}$$

⑧
$$\begin{array}{r} 3,164 \\ + 5,791 \\ \hline \end{array}$$

⑨
$$\begin{array}{r} 8,261 \\ - 3,540 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 600 \\ - 31 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 475 \\ + 250 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 1,834 \\ + 8,365 \\ \hline \end{array}$$

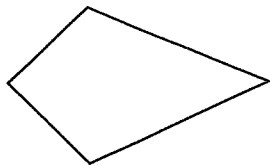
⑬
$$\begin{array}{r} 469 \\ - 70 \\ \hline \end{array}$$

⑭
$$\begin{array}{r} 1,200 \\ - 30 \\ \hline \end{array}$$

Practice Set 24

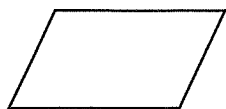
Write the letter of the description that matches the polygon.

① kite _____



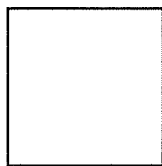
Ⓐ 4 sides of equal length, 4 right angles

② parallelogram _____



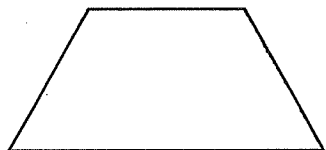
Ⓑ 2 separate pairs of equal sides that are next to each other

③ square _____



Ⓒ only 1 pair of parallel sides

④ trapezoid _____



Ⓓ 2 pairs of parallel sides, no right angles

Fill in the missing factors.

⑤ $70 * \underline{\hspace{2cm}} = 210$

⑥ $\underline{\hspace{2cm}} * 4 = 360$

⑦ $\underline{\hspace{2cm}} * 80 = 640$

⑧ $12 * \underline{\hspace{2cm}} = 960$

⑨ $5 * \underline{\hspace{2cm}} = 250$

⑩ $70 * \underline{\hspace{2cm}} = 350$

Add.

⑪
$$\begin{array}{r} 4,975 \\ + 1,265 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 2,390 \\ + 1,783 \\ \hline \end{array}$$

⑬
$$\begin{array}{r} 1,640 \\ + 9,870 \\ \hline \end{array}$$

⑭
$$\begin{array}{r} 765 \\ + 1,832 \\ \hline \end{array}$$

⑮
$$\begin{array}{r} 5,539 \\ + 801 \\ \hline \end{array}$$

⑯
$$\begin{array}{r} 2,892 \\ + 3,009 \\ \hline \end{array}$$

⑰
$$\begin{array}{r} 4,774 \\ + 1,638 \\ \hline \end{array}$$

⑱
$$\begin{array}{r} 7,057 \\ + 1,967 \\ \hline \end{array}$$

Practice Set 29

Fill in the missing fractions on the number lines below.



Use the fraction number lines to answer the questions below.

④ Write a fraction that is equivalent to $\frac{1}{2}$. _____

⑤ Write a fraction that is equivalent to $\frac{4}{6}$. _____

⑥ Write a fraction that is equivalent to $\frac{1}{3}$. _____

Fill in the missing factors.

⑦ $8 * \underline{\hspace{2cm}} = 24$

⑧ $\underline{\hspace{2cm}} * 90 = 360$

⑨ $\underline{\hspace{2cm}} * 7 = 49$

⑩ $2 * \underline{\hspace{2cm}} = 160$

⑪ $60 * \underline{\hspace{2cm}} = 360$

⑫ $\underline{\hspace{2cm}} * 7 = 630$

⑬ $9 * \underline{\hspace{2cm}} = 810$

⑭ $\underline{\hspace{2cm}} * 12 = 240$

List all the factor pairs for each number.

⑮ 15 _____

⑯ 35 _____

⑰ 28 _____

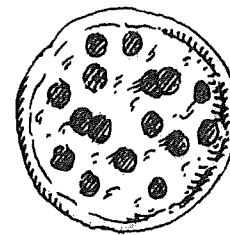
⑱ 50 _____

⑲ 12 _____

⑳ 42 _____

Practice Set 31

The fourth graders had a pizza party. They ordered pizzas and divided each pizza into 6 equal slices. Twenty-one students, 1 teacher, and 4 parents were invited to the party. The students assumed each person would get one slice of pizza.



- ① How many people were invited to the party? _____ people
- ② How many slices of pizza did the class need? _____ slices
- ③ How many pizzas did the class order? _____ pizzas
- ④ If everyone ate just one slice, how many slices were left over?
_____ slices
- ⑤ What fraction of a whole pizza is that? _____
- ⑥ If everyone ate two slices of pizza, how many slices did they need?
_____ slices
- ⑦ How many whole pizzas did the class need then? _____ pizzas
- ⑧ What fraction of a whole pizza was left over then? _____

Subtract.

⑨
$$\begin{array}{r} 619 \\ - 307 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 3,510 \\ - 782 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 4,627 \\ - 4,550 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 5,011 \\ - 2,306 \\ \hline \end{array}$$

⑬
$$\begin{array}{r} 1,637 \\ - 540 \\ \hline \end{array}$$

⑭
$$\begin{array}{r} 800 \\ - 607 \\ \hline \end{array}$$

⑮
$$\begin{array}{r} 2,842 \\ - 2,469 \\ \hline \end{array}$$

⑯
$$\begin{array}{r} 8,007 \\ - 492 \\ \hline \end{array}$$

Practice Set 33

Write the fractions in order from least to greatest.

① $\frac{15}{16}, \frac{5}{16}, \frac{3}{16}, \frac{1}{16}, \frac{7}{16}$

_____, _____, _____, _____, _____

② $\frac{1}{4}, \frac{1}{12}, \frac{1}{9}, \frac{1}{2}, \frac{1}{3}$

_____, _____, _____, _____, _____

③ $\frac{4}{6}, \frac{4}{9}, \frac{4}{8}, \frac{4}{15}, \frac{4}{100}$

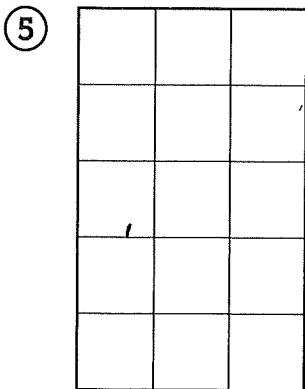
_____, _____, _____, _____, _____

④ $\frac{30}{100}, \frac{5}{10}, \frac{6}{10}, \frac{25}{100}, \frac{82}{100}$

_____, _____, _____, _____, _____

Find the area in square units for each rectangle. Then write the number model.

Area = length (l) * width (w)

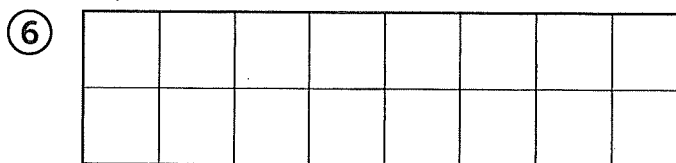


Length: _____ units

Width: _____ units

Area: _____ square units

Number model: _____



Length: _____ units

Width: _____ units

Area: _____ square units

Number model: _____

Practice Set 34

Match the fraction with the correct decimal. The decimal may be in word or number form.

- | | |
|------------------|--------------|
| ① $\frac{6}{10}$ | eight-tenths |
| ② $\frac{1}{10}$ | 0.3 |
| ③ $\frac{4}{10}$ | one-tenth |
| ④ $\frac{8}{10}$ | 0.6 |
| ⑤ $\frac{3}{10}$ | 0.4 |

For each number model, write *T* if it is true, *F* if it is false, or ? if you can't tell.

- | | |
|-------------------------|------------------------|
| ⑥ $8 * 9 = 76$ _____ | ⑦ $5 + 9 < 20$ _____ |
| ⑧ $4 = 64 \div 8$ _____ | ⑨ $26 + 19 = 47$ _____ |
| ⑩ $450 - 119$ _____ | ⑪ $18 < 15 + 6$ _____ |
| ⑫ $70 - 21 = 49$ _____ | ⑬ $9 * 4 > 36$ _____ |

What would the underlined number be worth if it were moved one place to the left?

EXAMPLE 612

100

- | | |
|-----------------------|-------|
| ⑭ 4, <u>7</u> 62 | _____ |
| ⑮ 20 <u>2</u> ,336 | _____ |
| ⑯ <u>8</u> | _____ |
| ⑰ 3, <u>9</u> 75,109 | _____ |
| ⑱ <u>1</u> ,557 | _____ |
| ⑲ <u>2</u> 3,963 | _____ |
| ⑳ 4 <u>8</u> ,291,005 | _____ |

NAME _____

DATE _____

Practice Set 36Complete the table. The ☐ is ONE.

Base-10 Blocks	Fraction Notation	Decimal Notation
① 	$\frac{58}{100}$	
② 	$\frac{3}{10}$	
③ 		0.49
④ 		1.12
⑤	$\frac{90}{100}$	0.90
⑥ 		2.08
⑦ 	$\frac{41}{100}$	

- ⑧ Write the following in digits: five-hundredths.

- ⑨ Write the number words for 0.03.

- ⑩ Write the number words for 0.76.

Practice Set 39

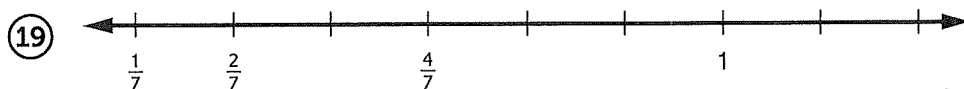
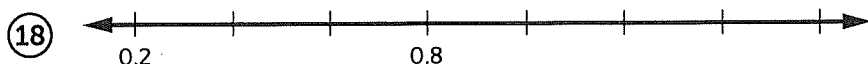
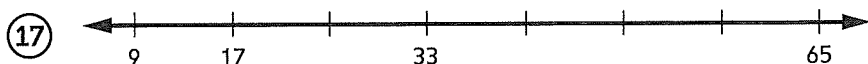
Compare. Write $>$, $<$, or $=$.

- ① 6.43 _____ 6.69 ② 5.50 _____ 5.5 ③ 2.59 _____ 2.6
 ④ 9.9 _____ 9.7 ⑤ 3.82 _____ 3.82 ⑥ 7.2 _____ 7.20
 ⑦ 16.02 _____ 16.2 ⑧ 9.52 _____ 9.33 ⑨ 4 _____ 4.01
 ⑩ 3.2 _____ 3.03 ⑪ 0.57 _____ 0.75 ⑫ 6.5 _____ 6.32

Use digits to write the following numbers.

- ⑬ nine hundred sixteen thousand, five hundred seven _____
 ⑭ eight and two-tenths _____
 ⑮ seventy-two and thirty-one hundredths _____
 ⑯ one hundred six and four-hundredths _____

Write the missing numbers.



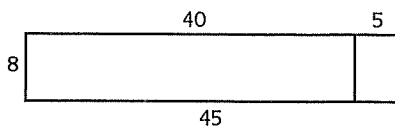
Complete.

- ⑳ $4.3 \text{ cm} =$ _____ mm ㉑ $30 \text{ mm} =$ _____ cm
 ㉒ $6 \text{ mm} =$ _____ cm ㉓ $5.0 \text{ cm} =$ _____ mm

Practice Set 42

Solve the multiplication problems by partitioning a rectangle. Then write an equation to show how you added each part of the rectangle to get the product.

① $8 * 45$



+ _____

② $4 * 32$

③ $3 * 63$

④ $6 * 89$

Write the next three numbers in the pattern.

⑤ 23,610; 23,615; 23,620; _____; _____; _____

⑥ 39.55, 39.50, 39.45, _____, _____, _____

⑦ 151, 148, 145, _____, _____, _____

⑧ 1,780; 1,455; 1,130; _____; _____; _____

Practice Set 45

Use partial-products multiplication to solve the problems.

①
$$\begin{array}{r} 82 \\ * 9 \\ \hline \end{array}$$

②
$$\begin{array}{r} 135 \\ * 6 \\ \hline \end{array}$$

③
$$\begin{array}{r} 545 \\ * 3 \\ \hline \end{array}$$

④
$$\begin{array}{r} 417 \\ * 2 \\ \hline \end{array}$$

Tell whether each fraction is less than $\frac{1}{2}$, equal to $\frac{1}{2}$, or greater than $\frac{1}{2}$.

⑤ $\frac{3}{6}$ _____

⑥ $\frac{10}{25}$ _____

⑦ $\frac{12}{15}$ _____

⑧ $\frac{10}{20}$ _____

⑨ $\frac{7}{10}$ _____

⑩ $\frac{1}{12}$ _____

⑪ $\frac{9}{16}$ _____

⑫ $\frac{12}{30}$ _____

Practice Set 48

Solve using partial-products multiplication.

$$\begin{array}{r} \textcircled{1} \quad 27 \\ * 13 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 36 \\ * 46 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 90 \\ * 19 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 23 \\ * 62 \\ \hline \end{array}$$

Use digits to write the following numbers.

$\textcircled{5}$ seventy-four million, nine thousand, sixty-four

$\textcircled{6}$ nineteen and sixty-eight hundredths

$\textcircled{7}$ four hundred nine and seven-tenths

Write the number words for the following.

$\textcircled{8}$ 0.76

$\textcircled{9}$ 18.04

Practice Set 49

Solve.

$$\textcircled{1} \quad (3 + 4) * (5 + 2) = \underline{\hspace{2cm}}$$

$$\textcircled{2} \quad (2 + 1) * (9 + 6) = \underline{\hspace{2cm}}$$

$$\textcircled{3} \quad (5 + 8) * (7 + 1) = \underline{\hspace{2cm}}$$

$$\textcircled{4} \quad (9 + 2) * (8 + 3) = \underline{\hspace{2cm}}$$

$$\textcircled{5} \quad \begin{array}{r} 26 \\ * 30 \\ \hline \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 965 \\ - 86 \\ \hline \end{array}$$

$$\textcircled{7} \quad \begin{array}{r} 541 \\ - 8 \\ \hline \end{array}$$

$$\textcircled{8} \quad \begin{array}{r} 160 \\ + 1,400 \\ \hline \end{array}$$

$$\textcircled{9} \quad \begin{array}{r} 6,045 \\ + 248 \\ \hline \end{array}$$

$$\textcircled{10} \quad \begin{array}{r} 2,289 \\ + 1,374 \\ \hline \end{array}$$

$$\textcircled{11} \quad \begin{array}{r} 18 \\ * 11 \\ \hline \end{array}$$

$$\textcircled{12} \quad \begin{array}{r} 4,371 \\ + 3,148 \\ \hline \end{array}$$

$$\textcircled{13} \quad \begin{array}{r} 890 \\ - 15 \\ \hline \end{array}$$

$$\textcircled{14} \quad (70 + 15) * 4 = \underline{\hspace{2cm}}$$

$$\textcircled{15} \quad 67 - (8 * 4) = \underline{\hspace{2cm}}$$

$$\textcircled{16} \quad 430 + 70 + 145 = \underline{\hspace{2cm}}$$

$$\textcircled{17} \quad (72 \div 8) * 3 = \underline{\hspace{2cm}}$$

Write $>$, $<$, or $=$ to make each number sentence true.

$$\textcircled{18} \quad \frac{2}{5} \underline{\hspace{1cm}} \frac{7}{8}$$

$$\textcircled{19} \quad \frac{1}{3} \underline{\hspace{1cm}} \frac{2}{3}$$

$$\textcircled{20} \quad \frac{7}{8} \underline{\hspace{1cm}} \frac{1}{2}$$

$$\textcircled{21} \quad \frac{5}{8} \underline{\hspace{1cm}} \frac{10}{16}$$

$$\textcircled{22} \quad \frac{9}{10} \underline{\hspace{1cm}} \frac{2}{10}$$

$$\textcircled{23} \quad \frac{6}{12} \underline{\hspace{1cm}} \frac{3}{6}$$

$$\textcircled{24} \quad \frac{6}{30} \underline{\hspace{1cm}} \frac{3}{15}$$

$$\textcircled{25} \quad \frac{9}{12} \underline{\hspace{1cm}} \frac{1}{5}$$

Practice Set 50

Find the area of each polygon.

①

9 cm

14 cm

Equation: _____

Area: _____ square centimeters

②

3 m

3 m

Equation: _____

Area: _____ square meters

③

9 in.

4 in.

6 in.

5 in.

Equation(s): _____

Area: _____ square inches

④

6 ft

6 ft

4 ft

8 ft

6 ft

16 ft

Equation(s): _____

Area: _____ square feet

Complete the missing factors.

⑤ $70 \times \underline{\hspace{2cm}} = 2,100$

⑥ $\underline{\hspace{2cm}} \times 4 = 360$

⑦ $\underline{\hspace{2cm}} \times 8 = 6,400$

⑧ $12 \times \underline{\hspace{2cm}} = 960$

⑨ $40 \times \underline{\hspace{2cm}} = 480$

⑩ $\underline{\hspace{2cm}} \times 50 = 3,500$

⑪ $6 \times \underline{\hspace{2cm}} = 360$

⑫ $\underline{\hspace{2cm}} \times 7 = 840$

Practice Set 56

- ① Lexi ate $1\frac{2}{3}$ peaches, and her brother ate $2\frac{1}{3}$ peaches.
How many peaches did they eat in all?

Number model: _____

Answer: _____ peaches

- ② Charlotte, TaJuan, and Jax each ran $2\frac{1}{2}$ miles. How many miles did they run altogether?

Number model: _____

Answer: _____ miles

- ③ Keigo read for $1\frac{1}{3}$ hours on Sunday, $2\frac{1}{3}$ hours on Tuesday, and 4 hours on Wednesday. How many hours in all did he read on those three days?

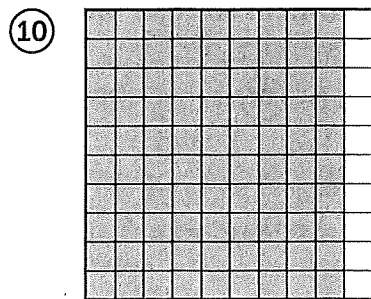
Number model: _____

Answer: _____ hours

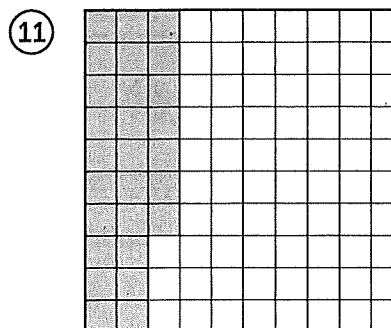
Round each number to the place value indicated.

- | | | |
|--|--|--|
| ④ Round 61 to the nearest ten.
_____ | ⑤ Round 310 to the nearest hundred.
_____ | ⑥ Round 19 to the nearest hundred.
_____ |
| ⑦ Round 24,079 to the nearest thousand.
_____ | ⑧ Round 83,553 to the nearest ten-thousand.
_____ | ⑨ Round 14,070 to the nearest ten-thousand.
_____ |

Write the value of the shaded part as a decimal and a fraction.



_____, _____



_____, _____

Practice Set 57

Use what you know about equivalent fractions to add. Write an equation to show your work.

- ① 8 tenths + 9 hundredths

Equation: _____

- ② 1 hundredth + 4 tenths + 25 hundredths

Equation: _____

- ③ 30 hundredths + 35 hundredths + 6 tenths

Equation: _____

- ④ $\frac{92}{100} + \frac{5}{10}$

Equation: _____

- ⑤ $8\frac{2}{100} + \frac{3}{10}$

Equation: _____

- ⑥ $7\frac{5}{10} + \frac{81}{100}$

Equation: _____

For each pair of fractions, write *yes* if the fractions are equivalent.
Write *no* if the fractions are not equivalent.

⑦ $\frac{1}{6}, \frac{2}{12}$ _____

⑧ $\frac{7}{12}, \frac{3}{4}$ _____

⑨ $\frac{1}{2}, \frac{5}{10}$ _____

⑩ $\frac{1}{3}, \frac{2}{9}$ _____

⑪ $\frac{4}{5}, \frac{12}{20}$ _____

⑫ $\frac{40}{50}, \frac{8}{10}$ _____

⑬ $\frac{6}{8}, \frac{3}{4}$ _____

⑭ $\frac{1}{4}, \frac{4}{12}$ _____

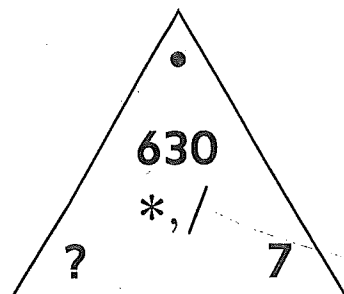
⑮ $\frac{9}{10}, \frac{18}{24}$ _____

⑯ $\frac{1}{10}, \frac{10}{100}$ _____

Practice Set 66

Write a basic division fact and an extended division fact for each Fact Triangle.

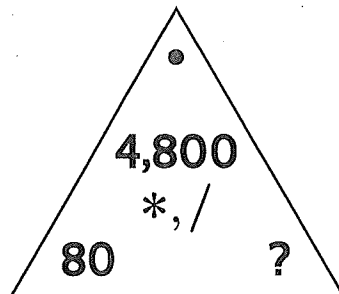
①



Basic fact: _____

Extended fact: _____

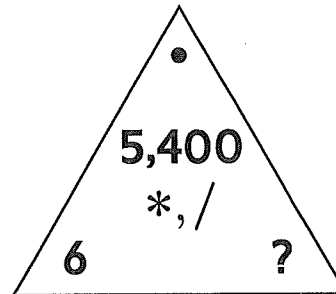
②



Basic fact: _____

Extended fact: _____

③



Basic fact: _____

Extended fact: _____

Write the missing numbers below.

④ $30 \times \underline{\quad} = 150$

⑤ $\underline{\quad} \times 8 = 4,800$

⑥ $\underline{\quad} / 70 = 6$

⑦ $30 \times \underline{\quad} = 300$

⑧ $1,800 / \underline{\quad} = 90$

⑨ $\underline{\quad} \times 700 = 4,200$

⑩ $\underline{\quad} \times 40 = 320$

⑪ $\underline{\quad} / 20 = 70$

⑫ $200 / \underline{\quad} = 5$

⑬ $5 \times \underline{\quad} = 2,500$

⑭ $\underline{\quad} / 7 = 40$

⑮ $3,000 / \underline{\quad} = 60$

Compare. Write $>$, $<$ or $=$.

⑯ $15.26 \underline{\quad} 16$

⑰ $19.62 \underline{\quad} 19.62$

⑱ $201.5 \underline{\quad} 200.9$

⑲ $4,023.1 \underline{\quad} 4,023.10$

⑳ $21.63 \underline{\quad} 20.36$

㉑ $2.60 \underline{\quad} 2.61$

㉒ $10.78 \underline{\quad} 17.8$

㉓ $39.09 \underline{\quad} 39.10$

㉔ $5,213.2 \underline{\quad} 5,213.15$

㉕ $15.80 \underline{\quad} 15.8$

㉖ $19.6 \underline{\quad} 19.56$

㉗ $852.01 \underline{\quad} 852.01$

Practice Set 73

Write a number model to represent the unknown. Then use partial-quotients division to solve.

- ① A total of 129 fourth graders are going on a field trip to the botanical garden. Each van will hold 6 fourth graders. How many vans are needed?

Number model with unknown:

Answer: _____ vans

What did you do about the remainder?

- ② A shipment of 397 vases is being prepared. Each box can hold 8 vases. How many boxes are needed for the shipment?

Number model with unknown:

Answer: _____ boxes

What did you do about the remainder?

Write the numbers in order from least to greatest.

- ③ 1.2, 0.2, 2.10, 2.2

- ⑤ 4.01, 1.4, 2.14, 1.41

- ⑦ 0.3, 3.3, 0.03, 3.03

- ④ 0.23, 1.2, 0.04, 5.1

- ⑥ 9.5, 1.95, 19.5, 0.59

- ⑧ 5.20, 5.12, 5.02, 5.21

Practice Set 83**Multiply.**

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

② $6 * 4\frac{1}{9} = \underline{\hspace{2cm}}$

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

④ $5 * 3\frac{4}{7} = \underline{\hspace{2cm}}$

Complete.

⑤ $20 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

⑥ $5,000 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

⑦ $20,000 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

⑧ $2 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

⑨ $15 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

⑩ $2,000 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

A threadworm is about 30 cm long.

⑪ What is its length in millimeters? $\underline{\hspace{2cm}} \text{ mm}$

⑫ What is its length in meters? $\underline{\hspace{2cm}} \text{ m}$

Solve.

⑬
$$\begin{array}{r} 88,574 \\ - 9,695 \\ \hline \end{array}$$

⑭
$$\begin{array}{r} 5,983 \\ + 11,389 \\ \hline \end{array}$$

⑮
$$\begin{array}{r} 96,312 \\ - 45,160 \\ \hline \end{array}$$

⑯
$$\begin{array}{r} 73,418 \\ - 24,972 \\ \hline \end{array}$$

Practice Set 91

Stella delivers newspapers every Saturday. She keeps track of the total number of hours her paper route takes each week:

2, $1\frac{3}{4}$, $2\frac{1}{4}$, $2\frac{2}{4}$, $1\frac{2}{4}$, 2, $1\frac{3}{4}$, 3, $1\frac{3}{4}$, $2\frac{1}{4}$, $1\frac{3}{4}$, 2

- ① Construct a line plot for the data.



- ② How many times did it take Stella $2\frac{1}{4}$ hours to complete her paper route? _____ times
- ③ What is the amount of time it most often took Stella to complete her route? _____ hours
- ④ What is the shortest time it took Stella to complete her route? _____ hours
- ⑤ What is the longest time it took Stella to complete her route? _____ hours
- ⑥ What is the difference between the shortest and longest times for completing her route? _____ hours

Solve.

⑦
$$\begin{array}{r} 440 \\ 115 \\ + 711 \\ \hline \end{array}$$

⑧
$$\begin{array}{r} 7,910 \\ + 2,896 \\ \hline \end{array}$$

⑨
$$\begin{array}{r} 784 \\ - 426 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 23 \\ * 8 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 52 \\ * 9 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 263 \\ 1,357 \\ + 195 \\ \hline \end{array}$$

⑬
$$\begin{array}{r} 4,315 \\ - 78 \\ \hline \end{array}$$

⑭
$$\begin{array}{r} 96 \\ * 23 \\ \hline \end{array}$$