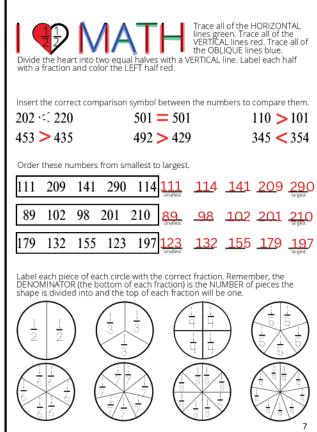
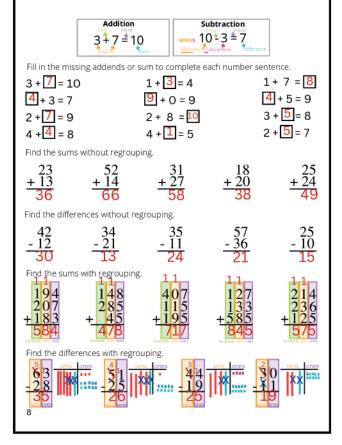
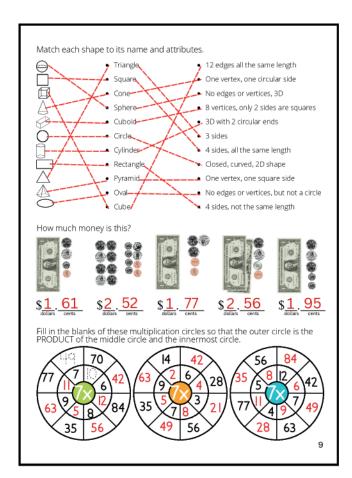
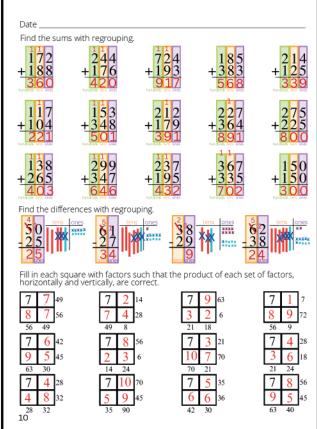


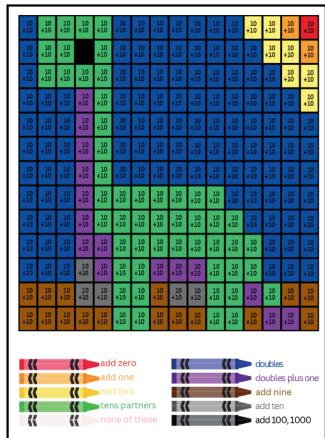
Color pieces of each shape to match the fraction in front of it.

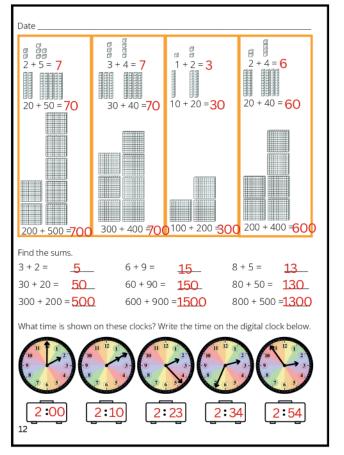


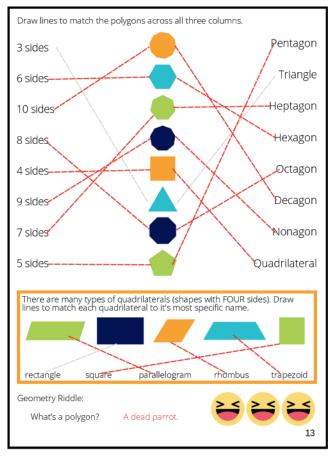


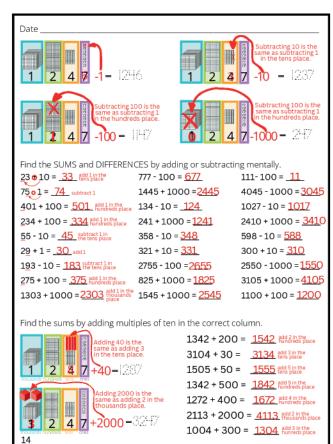


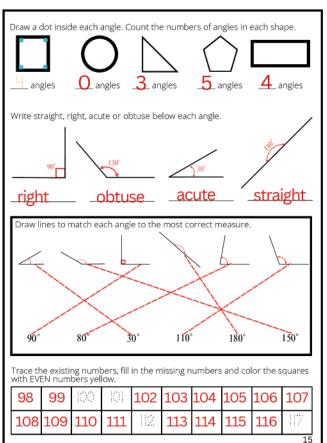


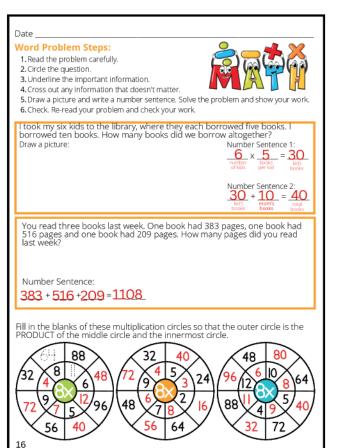


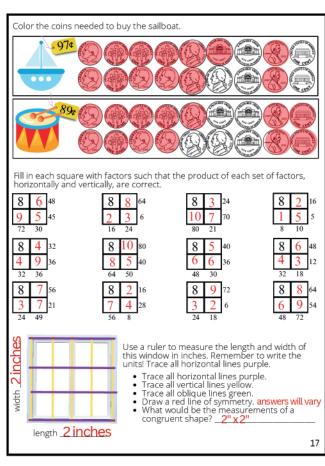


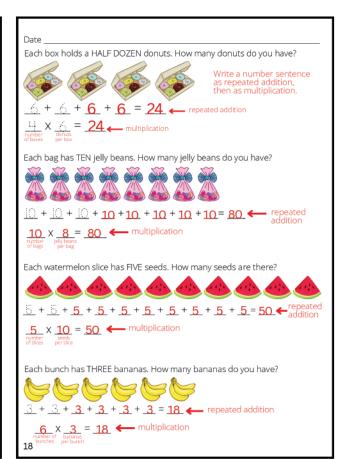


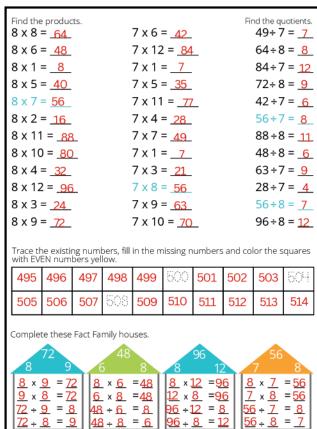


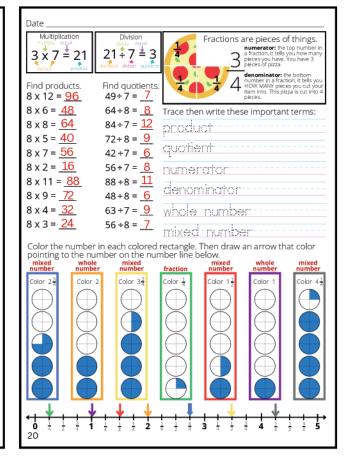


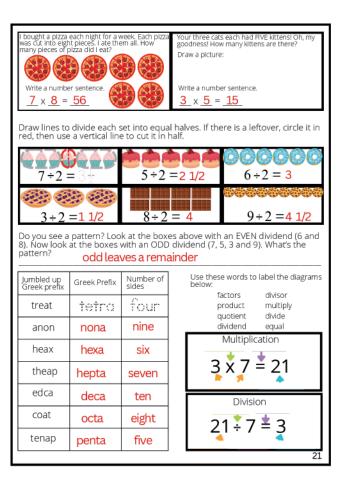


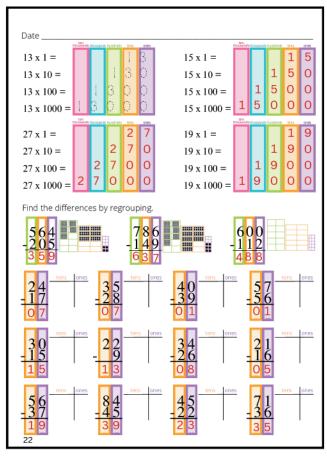


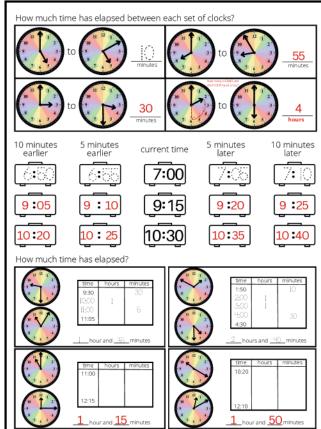


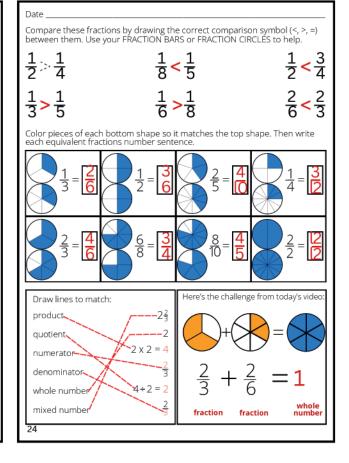


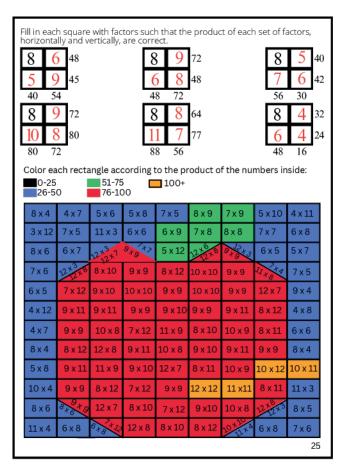


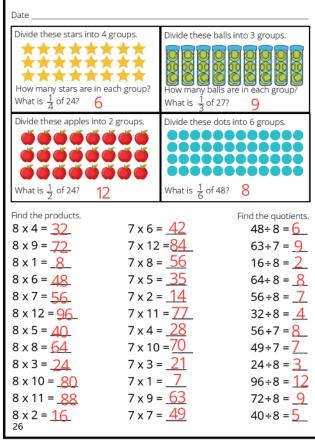


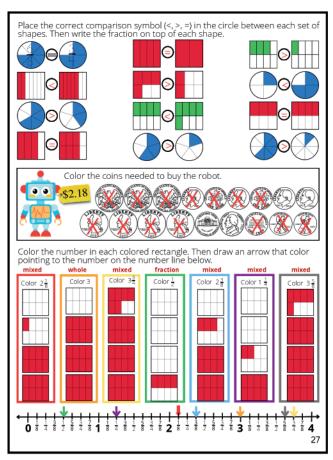


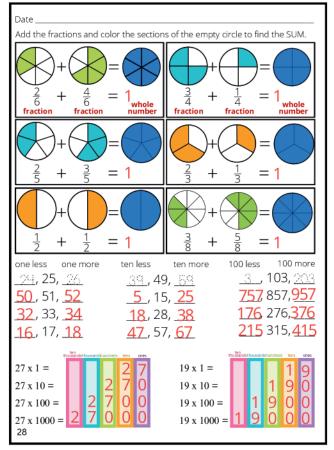


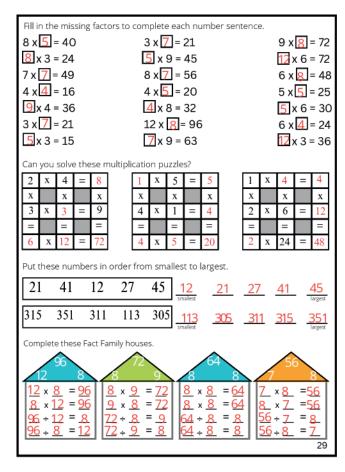


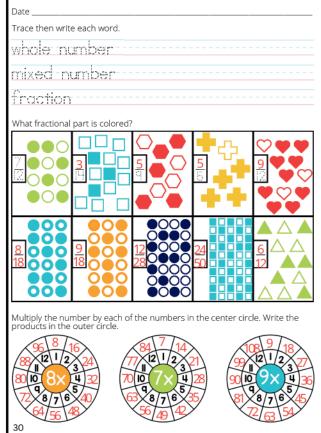


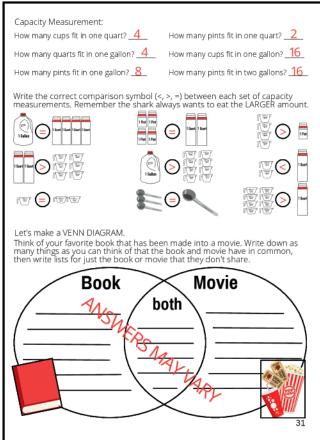


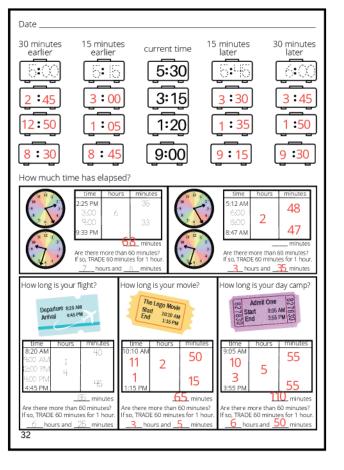


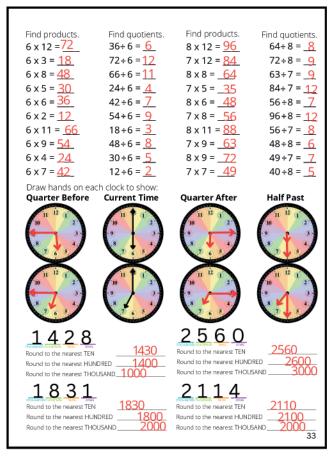


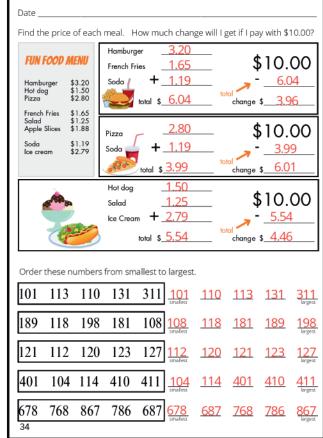


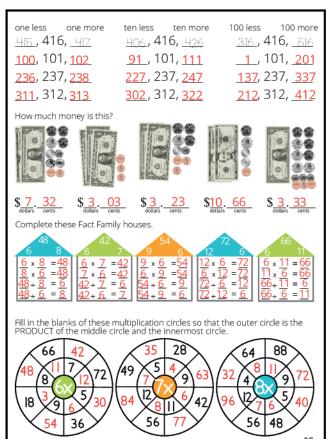


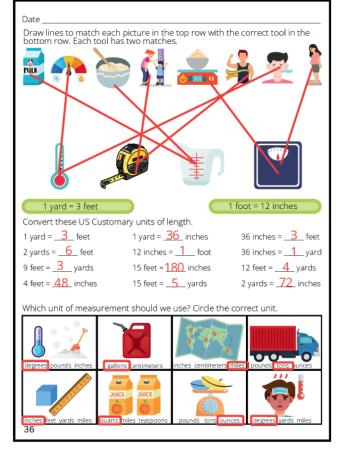


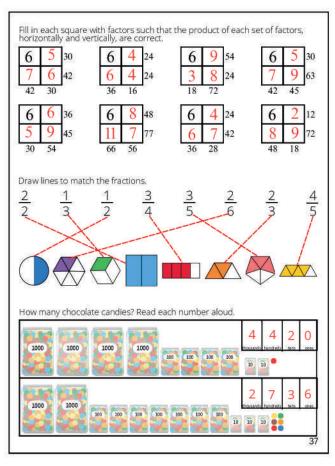


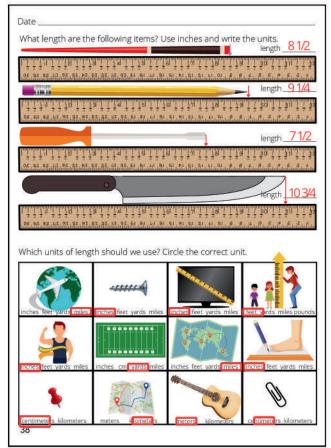


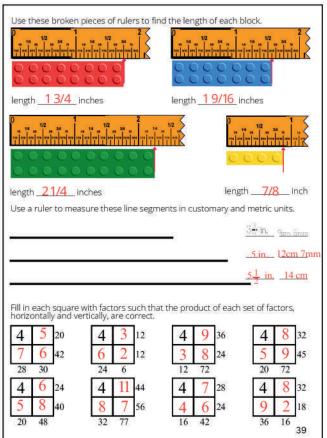


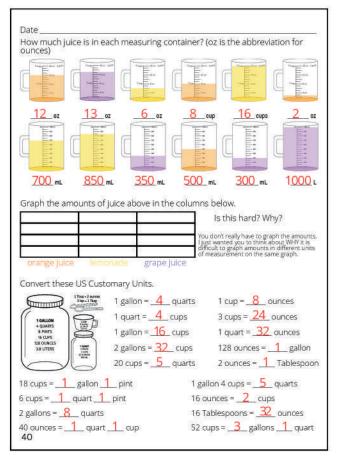


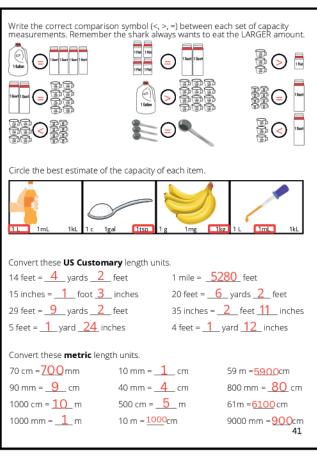


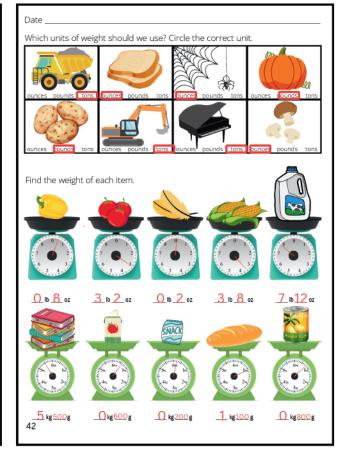


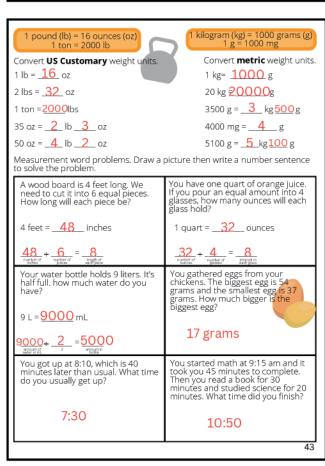


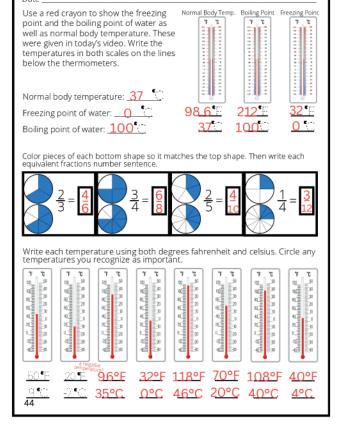


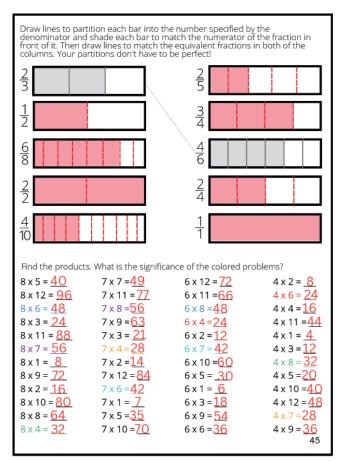


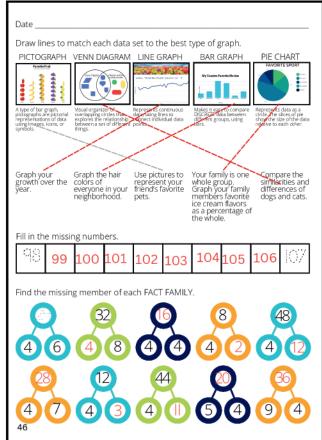


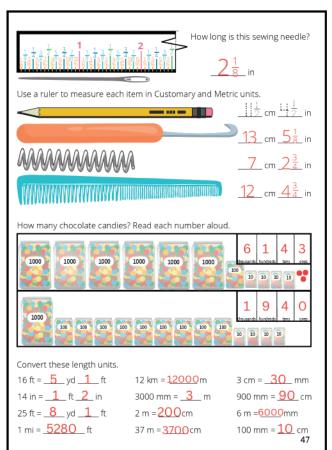


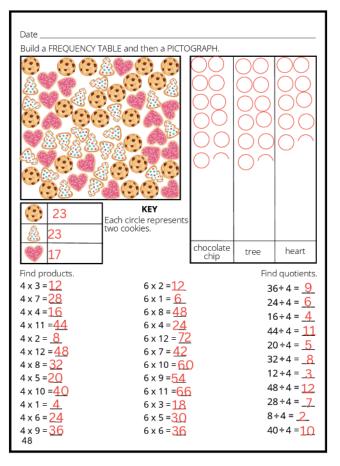


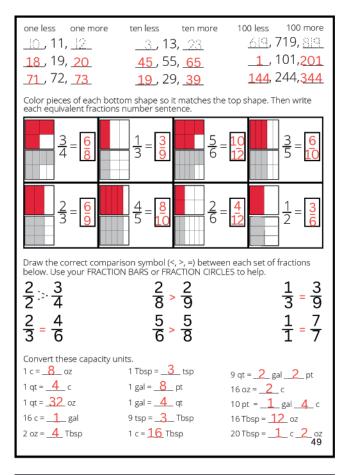


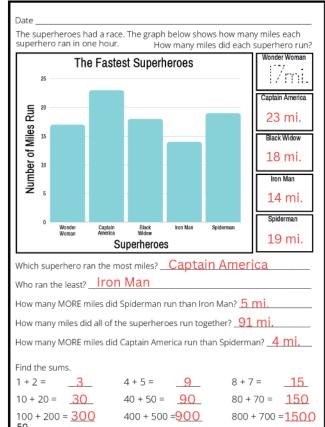


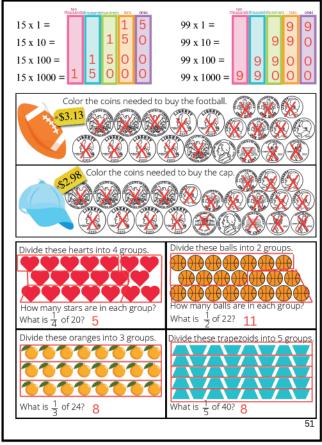


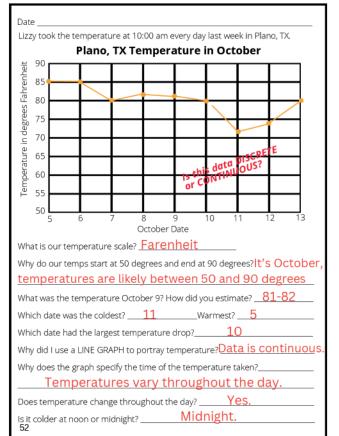


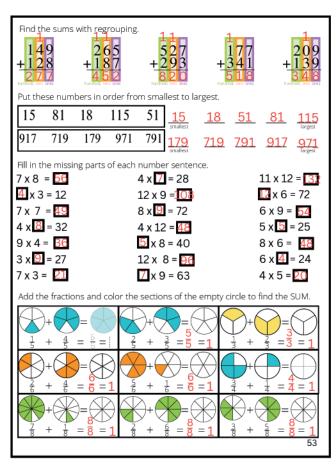


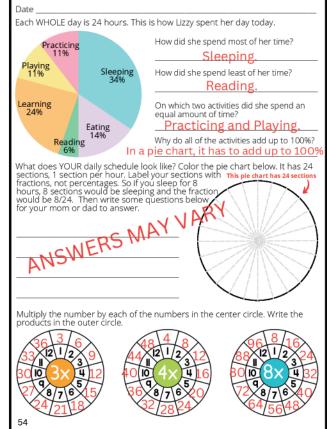












One tenth means one whole divided into ten parts. We can write "divided by" as 1+10 or as $\frac{1}{10}$ or as 1/10. They all mean the same thing.

Per also means "divided by". Cent means one hundred. Per cent means "divided by one hundred".



$$19\% = \frac{19}{100}$$

$$27\% = \frac{27}{100}$$

$$68\% = \frac{68}{100}$$

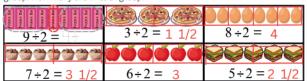
$$56\% = \frac{56}{100}$$

$$33\% = \frac{33}{100}$$

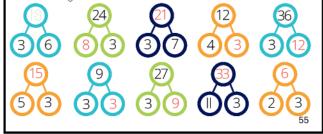
$$41\% = \frac{41}{100}$$

$$72\% = \frac{72}{100}$$

Draw lines to divide each set into equal halves. If there is a leftover, circle it in red, then use a vertical line to cut it in half. Split those halves between each group. How many are in each group?

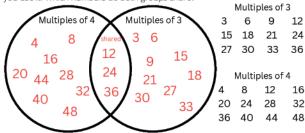


Find the missing member of each FACT FAMILY.

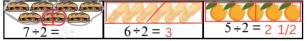


Date

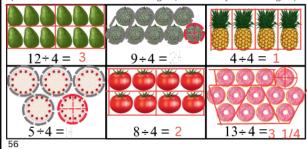
Add the multiples of 3 and 4 to the correct circles. Cross out each number as you use it. Which numbers do both groups share?

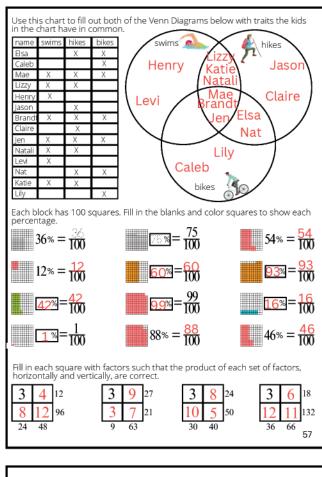


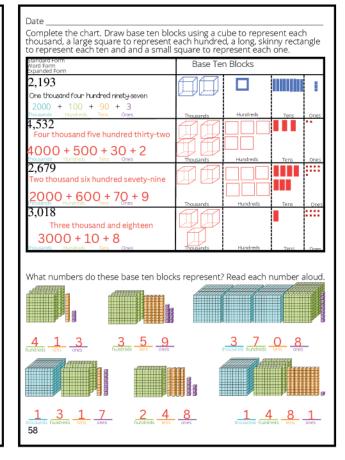
Draw lines to divide each set into equal halves. If there is a leftover, circle it in red, then use a vertical line to cut it in half. Split the HALVES between the two groups. How many are in each group?

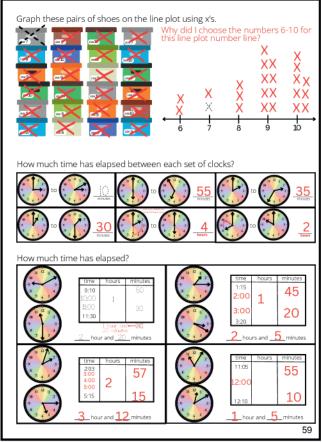


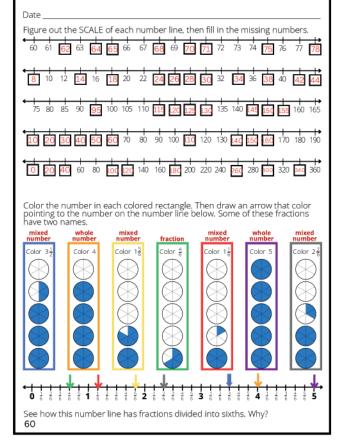
Draw lines to divide each set into equal FOURTHS. Each fourth is one group. If there is a leftover, circle it in red, then use two lines to cut it into FOURTHS. Split the leftover FOURTH between the groups. How many are in each group?

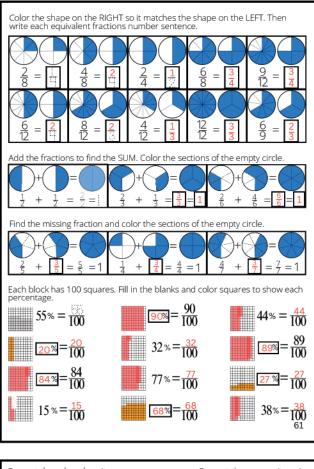


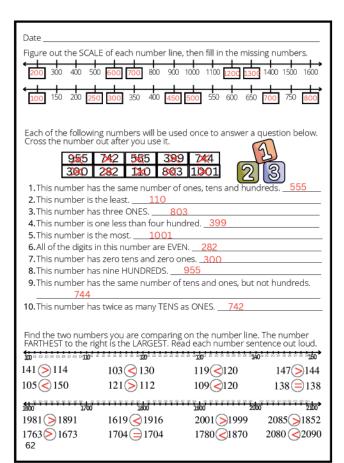


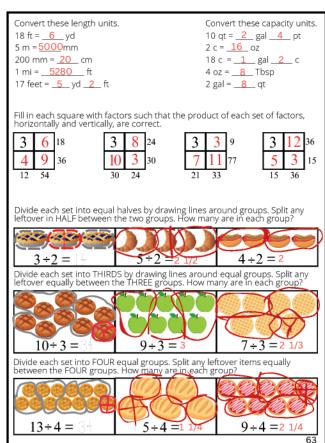


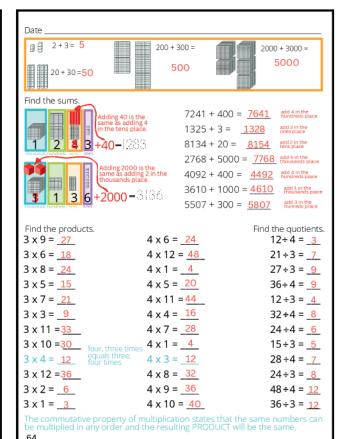


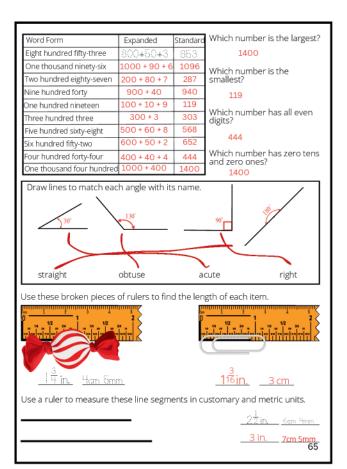


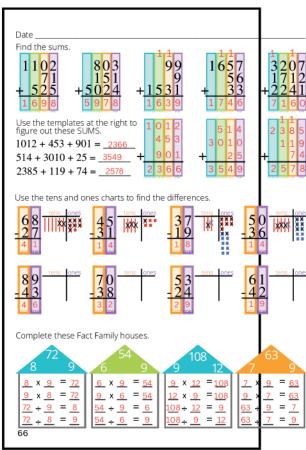


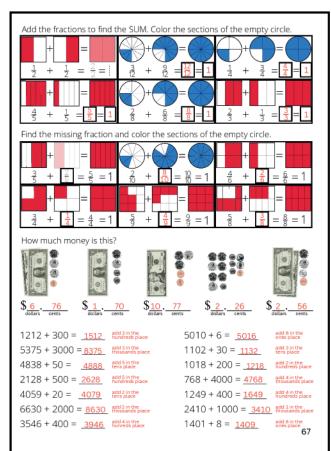


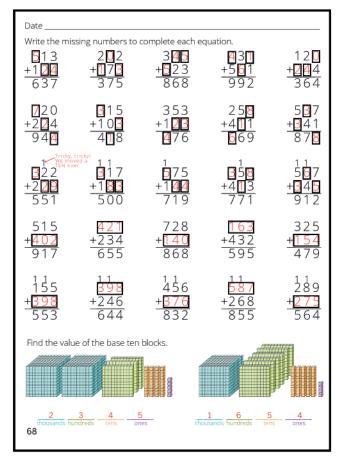


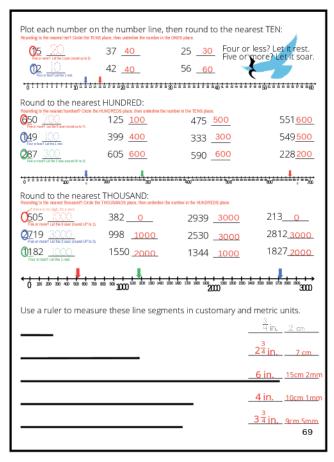


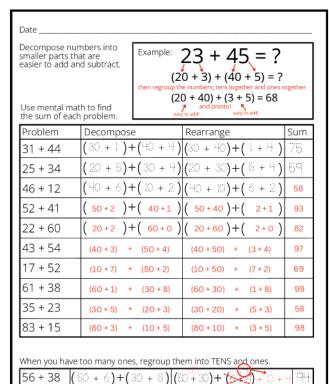










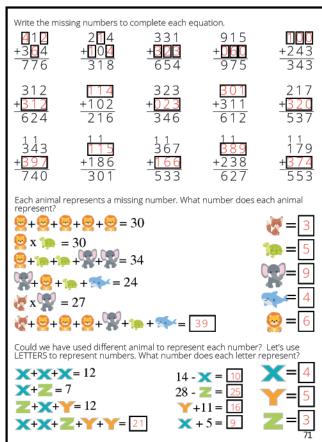


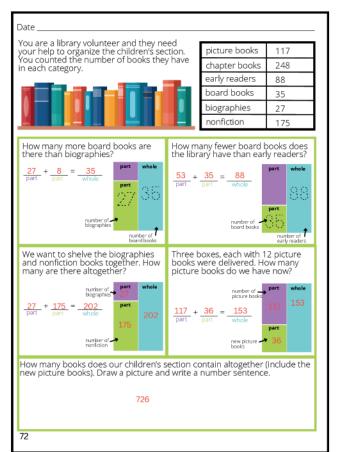
40 + 7)+(30 + 6)

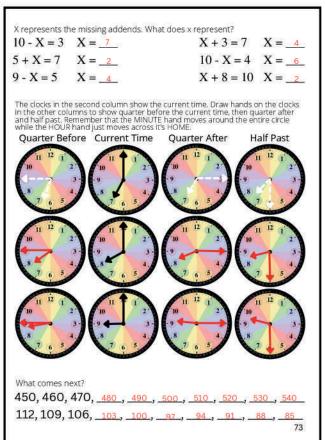
(40 + 30) + (2+4)

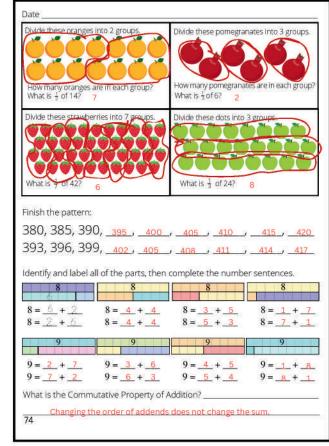
47 + 36

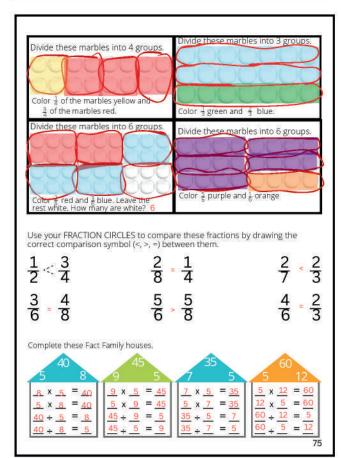
35 + 29

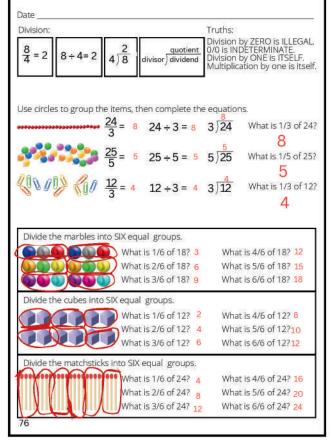


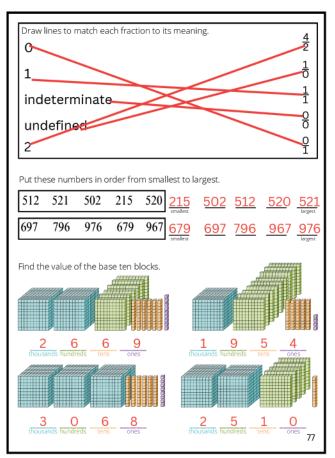


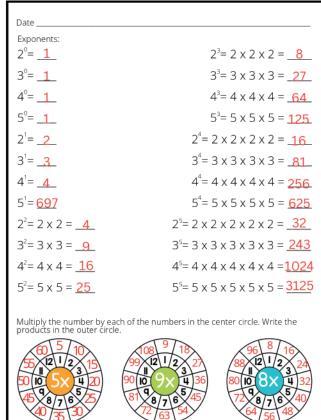


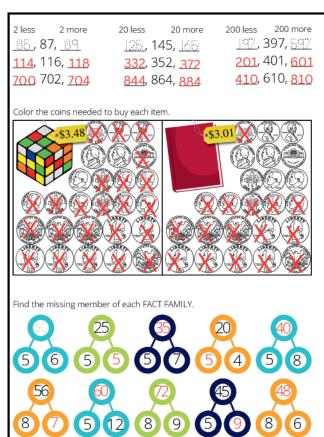


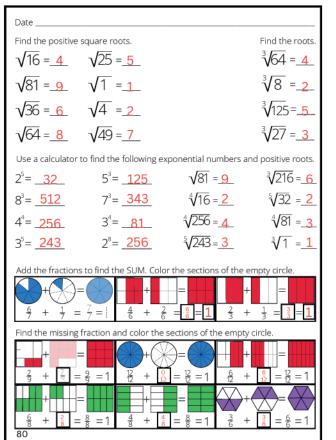


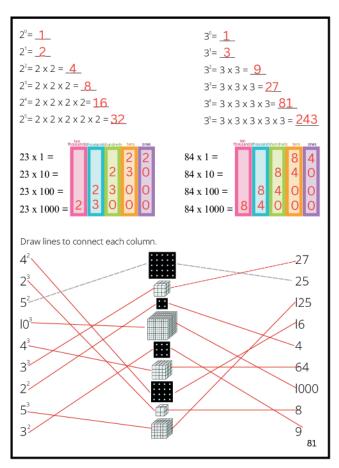


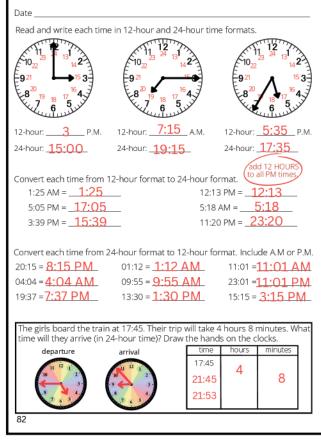


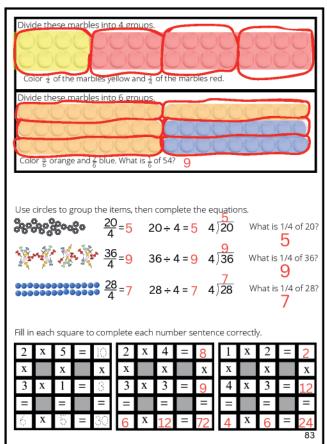


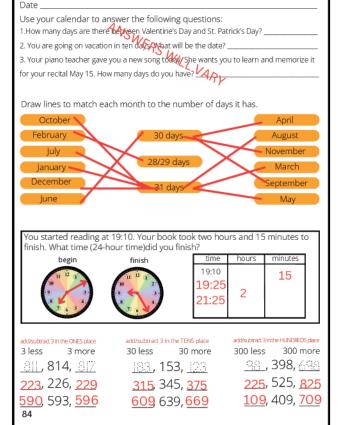


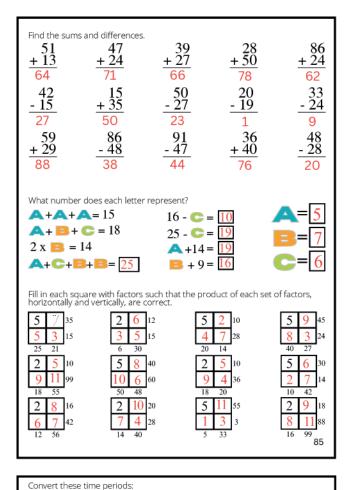


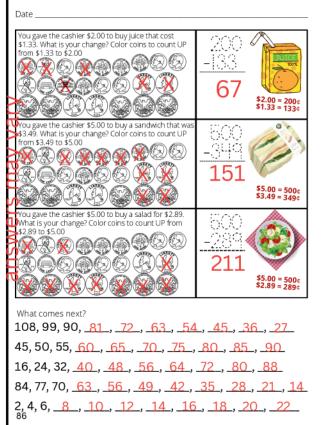


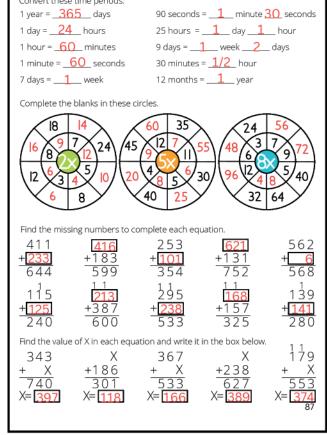




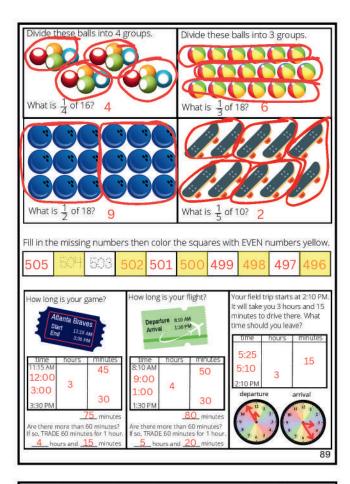


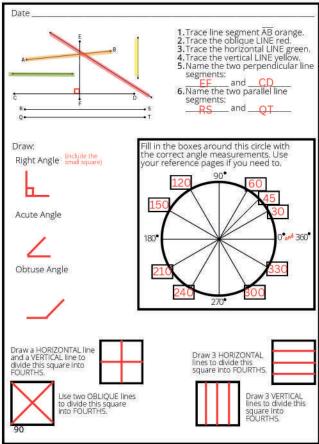


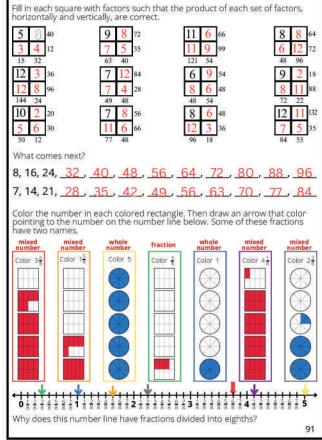


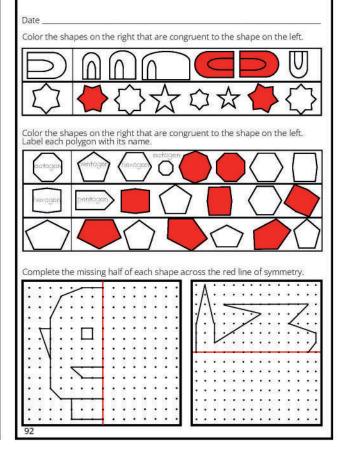


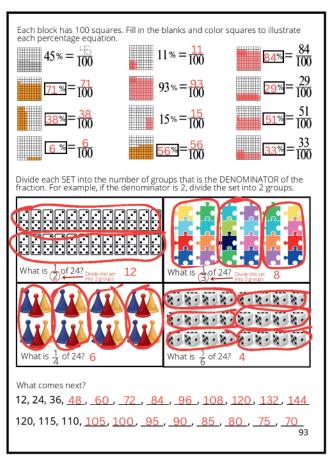


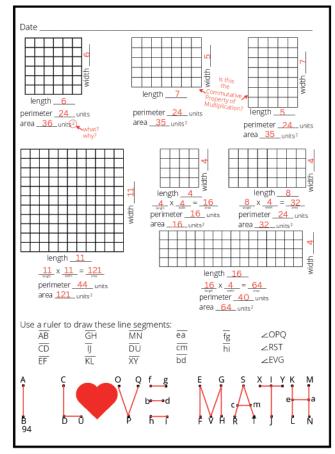


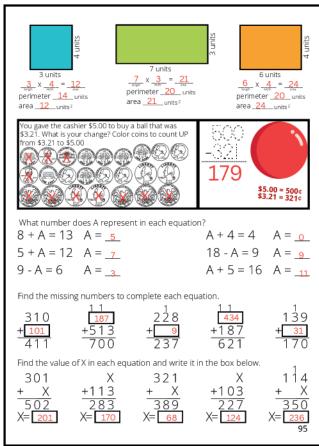


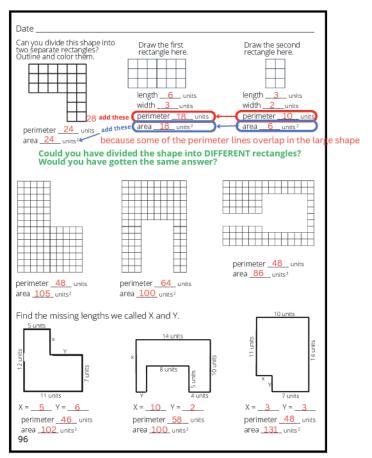


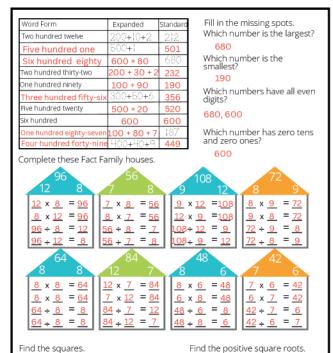












 $\sqrt{16} = 4$ $\sqrt{81} = 9$

√36 =<u>6</u>

 $\sqrt{64} = 8$

 $6^2 = 36$

 $7^2 = 49$

8²= <u>64</u>

 $9^2 = 81$

 $\sqrt{25} = 5$

 $\sqrt{1} = 1$

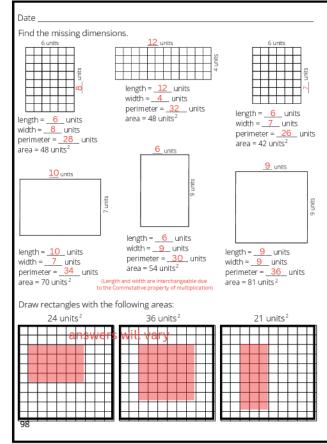
 $\sqrt{4} = 2$

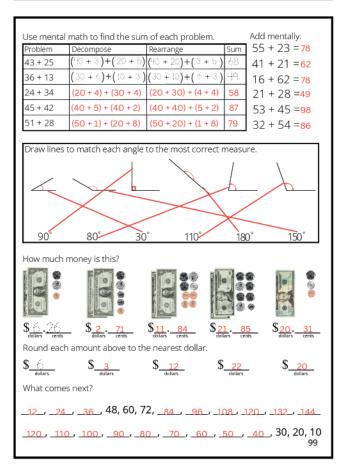
 $\sqrt{49} = _{7}$

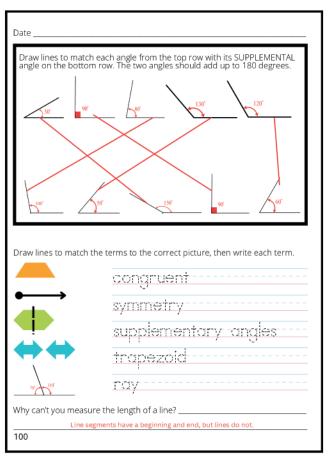
2²= _4_

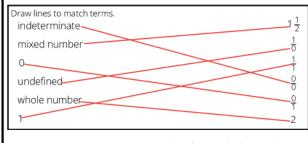
 $3^2 = 9$ $4^2 = 16$

 $5^2 = 25$









Use your FRACTION CIRCLES to compare these fractions by drawing the correct comparison symbol (<, >, =) between them.

1	٠.	1
4		5

$$\frac{1}{2} = \frac{4}{8}$$

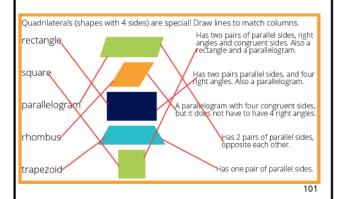
$$\frac{3}{6} = \frac{5}{10}$$

$$\frac{1}{3} < \frac{2}{3}$$

$$\frac{6}{12} = \frac{2}{4}$$

$$\frac{3}{4} = \frac{6}{8}$$

$$\frac{4}{6} < \frac{4}{5}$$



Use your place value chart to fill in the blanks in this table. Standard Form Word Form Expanded Form 4.000+100+50+7 Four thousand, one hundred fifty-seven 21,103 wenty-one thousand, one hundred three 70,000 + 7,000 + 40 + 2 77,042 eventy-seven thousand, forty-two 8,019 Eight thousand nineteen 8,000+10+9 30.000+5.000+900 35,900 Thirty-five thousand, nine hundred 40,157 40,000 + 100 + 50 + 7 Forty thousand, one hundred fifty-seven 411.000 400,000+10,000+1,000 Four hundred eleven thousand 1,000,000 + 80,000 + 5 1,080,005 One million, eighty thousand five Twenty-five million, twenty-five 25.000.025 7,000,077 7.000.000 + 70 + 7 Seven million, seventy-seven Your flight leaves at 11:15. The flight will take 6 hours 30 minutes. What time will you arrive (in 24-hour time)? Draw the hands on the clocks. minutes



Convert each time from 12-hour format to 24-hour format.

12:15 PM = 12:15

9:01 PM = 21:01

add 12 HOURS to all PM times 1:00PM or later. 7:36 AM = <u>07:36</u>

1:07 AM = 01:07 10:28 PM = 22:28

4:20 PM = 16:20

Convert each time from 24-hour format to 12-hour format. Include A.M or P.M.

02:22 = <u>2:22 AM</u> 11:02 = <u>11:02 AM</u> 14:49 = <u>2:49 PM</u> 07:56 = 7:56 AM

19:23 = <u>7:23 PM</u>

20:09 = 8:09 PM

23:59 = 11:59 PM 10:00 = 10 AM

17:30 = 5:30 PM 13:31 = 1:31 PM

03:17 = 3:17 AM 16:50 = 4:50 PM

Write straight, right, acute, reflex or obtuse below each angle.



Draw a dot inside each angle. Count the numbers of angles in each shape.









🐪 angles 🔼 angles

5 angles

4 angles

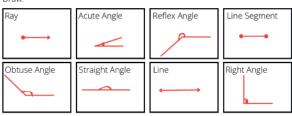
angles

What comes next? _hint:think exponents

1, 4, 9, 16, <u>25</u> , <u>36</u> , <u>49</u> , <u>64</u> , <u>81</u> , <u>100</u> , <u>121</u> , <u>144</u> <u>96</u>, <u>88</u>, <u>80</u>, <u>72</u>, <u>64</u>, <u>56</u>, <u>48</u>, <u>40</u>, <u>32</u>, 24, 16, 8 Fill in the missing numbers to complete the number line.

A line Is this a line, a line segment or a ray? ___

How do you know? No endpoints Draw an infinity sign to the right of the line and a negative infinity sign to the left. What do the arrows on either end of a LINE mean? That the line continues.



Write each number, then name them out loud to a parent.

1. 10,000 + 6,000 + 700 + 50 + 3 = 16.753

2. 70,000 + 7 = <u>70,007</u>

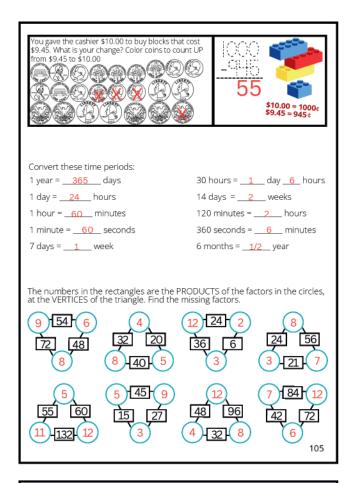
3. 40,000 + 100 + 50 + 7 = 40,157

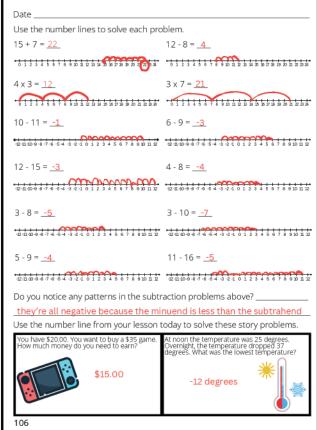
4. 10,000 + 3,000 + 700 + 20 = 12,720

5. 9,000,000 + 4,000 + 10 + 1 = <u>9,004,011</u>

6. 1,000,000 + 700,000 + 50,000 + 2,000 + 90 = <u>1,752,090</u>

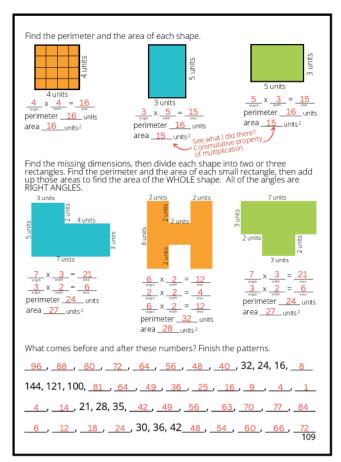
6. 4,000,000 + 300,000 + 2,000 + 900 + 1 = 4,302,901

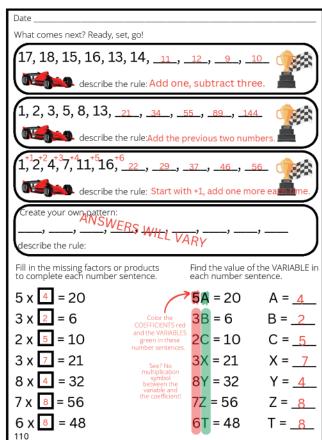


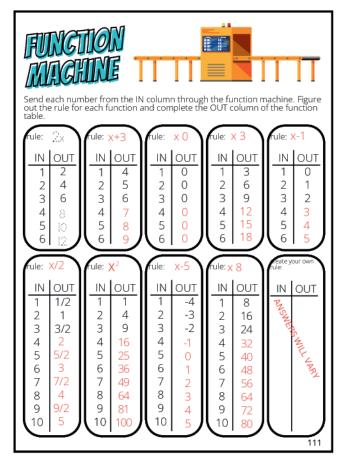


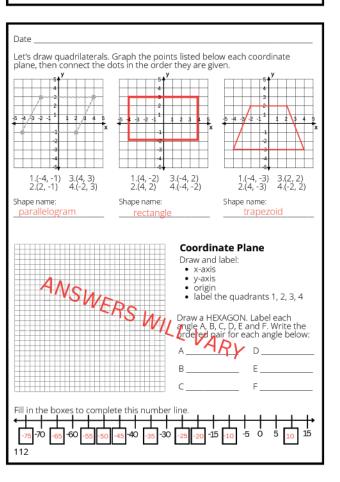
When two angles add to 180°, we say they are SUPPLEMENTARY. Supplement comes from Latin supplere, to complete or "supply" what is needed. supplementary angles Draw lines to match each angle from the top row with its SUPPLEMENTAL angle on the bottom row. The two angles should add up to 180 degrees. Use a ruler to draw the following: 1.XZ 12. VW 23. ŪK 34. mo 2. YZ 24. ru 13. √K 35. np 3. FX 14. A 25. qt 36. TG 15. NP 4. OR 26. gr 37. fg 5. QB 16. MO 27. tu 38. TF 39. Gg 6. RA 17. MN 28. EF 7. BF 18. OP 29. EC 40. hj 8. YA 30. FD 19. 町 41. ik 9.5T 20. [H 31. mn 42. bd 10.SU 21. TW 32. op 44. ae 11.hi 33. Ба 45. de 107 22. jk

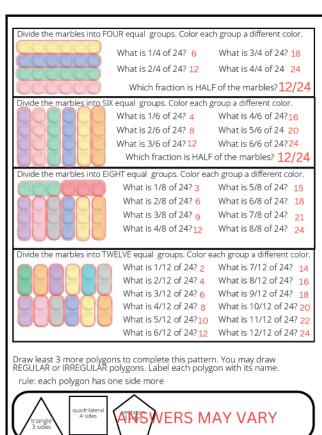
Use your newest number line to find the sum/difference of each problem. When two symbols are together in a number sentence: 5 - 12 = <u>-7</u> Two positives make a positive. ++ = +7 + -9 = <u>-2</u> A positive and a negative make a negative. +- = --+ = -8 - -3 = 11 Two negatives make a positive. --=+ -3 - 12 = <u>-15</u> -5 - 4 = <u>-9</u> 9 - 14 = <u>-5</u> 1 + -4 = -38 - -8 = 0 15 - 18 = -31 - -4 = 5 -4 - -11 = 7 6 + 3 = 9 -1 - -4 = 3 1 - 10 = <u>-9</u> 6 - -3 = 9 Draw lines to match each quadrilateral to it's most specific name. rhombus trapezoid rectangle parallelogram Fill in the missing factors or products to complete each number sentence. 5 x 2 = 10 $3 \times 4 = 12$ $9 \times 8 = 72$ 5 x 3 = 15 $6 \times 5 = 30$ $8 \times 7 = \frac{56}{}$ 6 x 8 = 48 4 x 8 = 32 $2 \times 12 = 24$ Find the value of the letter in each number sentence. $5 \times M = 20 M = _{4}$ $B \times 6 = 36$ $B = _{\underline{6}}$ A x 3 = 30 A = <u>10</u> $Y \times 7 = 49 \quad Y = _{7}$ $5 \times T = 40 \quad T = _8$ $7 \times S = 42 \quad S = _{6}$

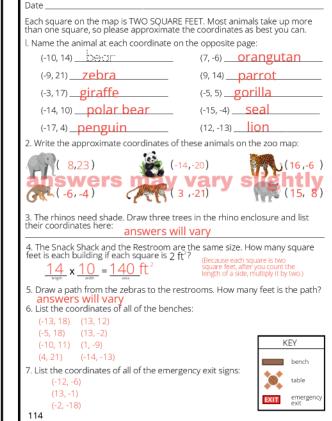


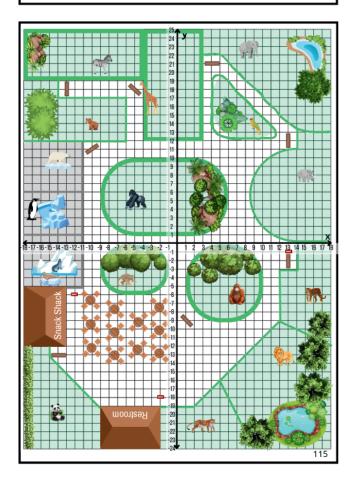




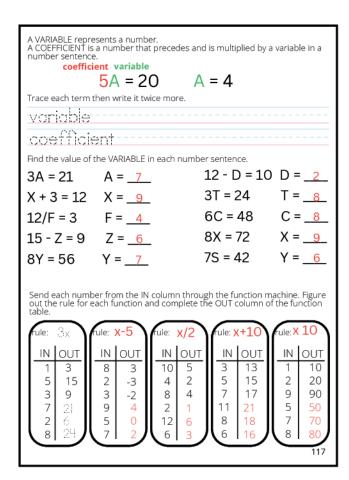




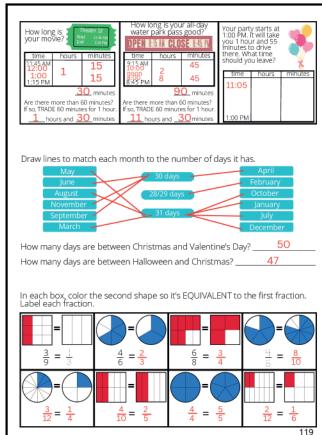


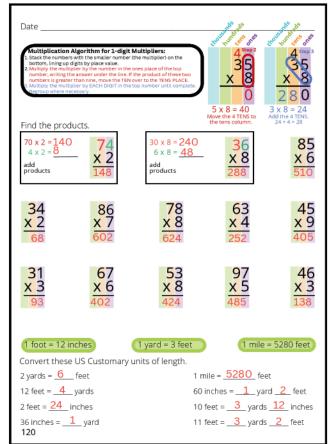


Date						
Problem Expanded Form Separate Decompose Add products						
2 x 43	2 x (40 + 3)		: 40 : 3		x 4 x 10 x 3	80 + 6
6 x 26	6 x (20 + 6)	6 x	: 20 : 6	6 x 2 x 10 6 x 6		1 2 0 + 3 6 1 5 6
3 x 59	3 x (EQ + 49	3 x 50 3 x 9		3 x 5 x 10 3 x 9		1 5 0 + 2 7 1 7 7
8 x 67	8 x (60 + 7)		x 60 x 7	8	x6x10 8x7	4 8 0 4 5 6 5 3 6
4 x 753	4 x (700 + 50 + 3)		4 x 700 4 x 50 4 x 3		4x7x100 4x5x10 4x3	2800 200 + 12 3012
7 x 468	7 x (400 + 60 + 8)		7 x 400 7 x 60 7 x 8		7 x 4 x 100 7 x 6 x 10 7 x 8	2800 420 + 56 3276
5 x 274	5 x (200 + 70 + 4)		5 x 200 5 x 70 5 x 4		5 x 2 x 100 5 x 7 x 10 5 x 4	1000 350 + 20 1370
2 x 363	2 x (300 + 60 + 3)		2 x 300 2 x 60 2 x 3		2x3x100 2x6x10 2x3	6 0 0 1 2 0 + 6
116						



Date				
Problem	Expanded Form	Separate	Decompose Ad	d products
3 x 634	3 x (600 + 30 + 4)	3 x 600 3 x 30 3 x 4	3 x 6 x 100 3 x 3 x 10 3 x 4	1800 90 + 12
9 x 475	9 x (400 + 70 + 5)	9 x 400 9 x 70 9 x 5	9 x 7 x 100 9 x 7 x 10 9 x 5	3600 630 + 45 4275
2 x 697	2 x (600 + 90 + 7)	2 x 600 2 x 90 2 x 7	2 x 6 x 100 2 x 9 x 10 2 x 7	1200 180 + 14 1394
4 x 2451	4 x (2000 + 400 + 50 + 1)	4 x 2000 4 x 400 4 x 50 4 x 1	4 x 2 x 1000 4 x 4 x 100 4 x 5 x 10 4 x 1	8000 1600 200 + 4
8 x 2643	8 x (2000 + 600 + 40 + 3)	8 x 2000 8 x 600 8 x 40 8 x 3	8 x 2 x 1000 8 x 6 x 100 8 x 4 x 10 8 x 3	16000 4800 320 + 24 21144
7 x 7343	7 x (7000 + 300 + 40 + 3)	7 x 7000 7 x 300 7 x 40 7 x 3	7x7x1000 7x3x100 7x4x10 7x3	49000 2100 280 + 21 51401
5 x 5866	5 x (5000 + 800 + 60 + 6)	5 x 5000 5 x 800 5 x 60 5 x 6	5 x 5 x 1000 5 x 8 x 100 5 x 6 x 10 5 x 6	25000 4000 300 + 30 29330
118				





Use your place value chart to fill in the blanks in this table.

Word Form	Expanded Form	Standard Form
Two million, one hundred twenty-four thousand, eight hundred fifty-three	2000,000 + 100,000 + 20,000 + 4,000+5,00+6,0+3	2,124,853
Two hundred ten million, one hundred one thousand	200,000,00 + 10,000,000 + 100,000 + 1,000	210,101,000
One million, nine thousand one	1,000,000+9,000+1	1,009,001
Seven trillion, one million	7,000,000,000+1,000,000	7,001,000,000
Three trillion, nine hundred fifty million, two hundred thirty-five	3,000,000,000+900,000,000+ 50,000,000+200+30+5	3,950,000,235
Twelve trillion, ten million, one thousand nine	10,000,000,000 + 2,000,000,000 + 10,000,000 + 1,000 + 9	12,010,001,009

Use your number line to find the sum/difference of each problem.

8 - 11 = <u>-3</u>

2 - -4 = 6

-1 - 11 = <u>-12</u>

7 **-** 15 = <u>-8</u>

-8 - -8 = _0_

12 + -2 = <u>10</u>

3 - -5 = _8_

4 - 10 = _-6_

-9 + -7 = <u>-16</u>

-3 + 5 = 2

3 - 5 = -2

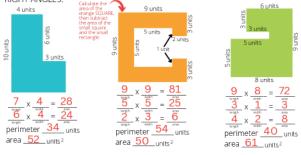
9 - -7 = 16

Use your FRACTION CIRCLES or FRACTION STRIPS to compare these fractions by drawing the correct comparison symbol (<, >, =) between them.

<u>1</u>5 121

Date ultiplication Algorithm for 1-digit Multiplier 37<mark>5</mark> Find the products 44 849 x 6 = 849 398 700 x 4 = **2800** 800 x 6 = 4800 40 x 6 = 240 9 x 6 = 54 x 4 6 5 Χ Х 30 x 4 = 120 5 x 4 = 2940 5094 1990 dd products 2940 643 x 3 364 856 827 256 x 7 x 6 x 4 1024 5992 2912 4962 1929 598 x 7 832 284 936 478 x 8 x 9 4186 Use a ruler or a tape measure to measure the following items to the nearest 1/4 inch (use units!): Your bed A fork Your table Your shoe . A painting _ A phone

Find the missing dimensions, then divide each shape into two or three rectangles. Find the perimeter and the area of each small rectangle, then add up those areas to find the area of the WHOLE shape. All of the angles are RIGHT ANGLES.



Use circles to group the items, then complete the equations



 $12 \div 3 = 4 \ 3)12$

What is 1/3 of 12? 4

 $12 \div 6 = 2 + 6)12$

What is 1/6 of 12?

0000

2

 $12 \div 4 = 3 + 4)12$ What is 1/4 of 12? 3

Find the answers:

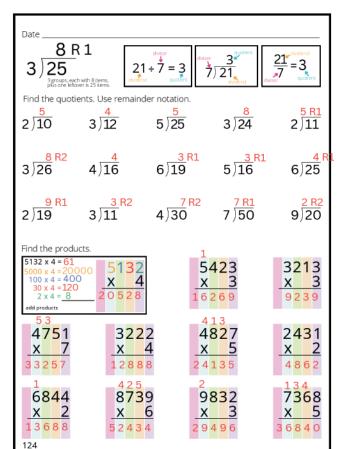
 $2^2 = 2 \times 2 = 4$ $2^3 = 2 \times 2 \times 2 = 8$ $3^2 = 3 \times 3 = 9$ $3^3 = 3 \times 3 \times 3 = 27$

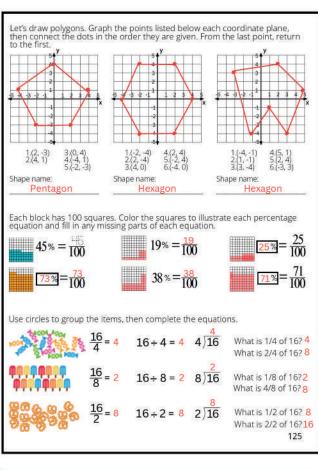
2⁴= 2 x 2 x 2 x 2 = <u>16</u>

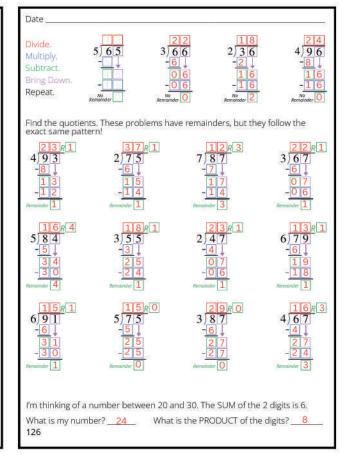
3⁴=3 x 3 x 3 x 3= <u>81</u>

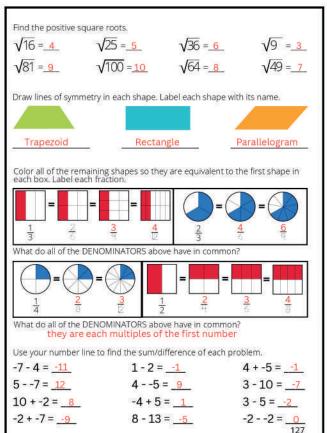
 $2^{5} = 2 \times 2 \times 2 \times 2 \times 2 = 32$

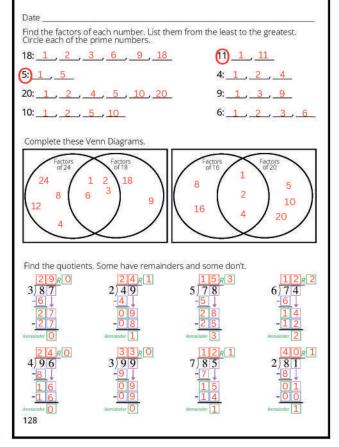
 $3^{5} = 3 \times 3 \times 3 \times 3 \times 3 = \frac{243}{123}$

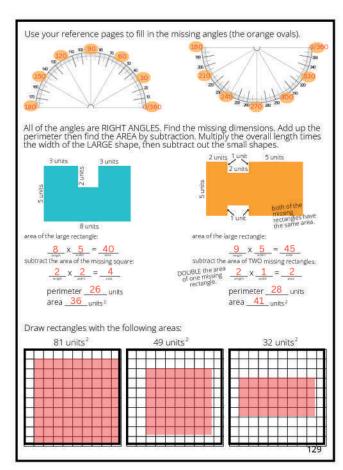


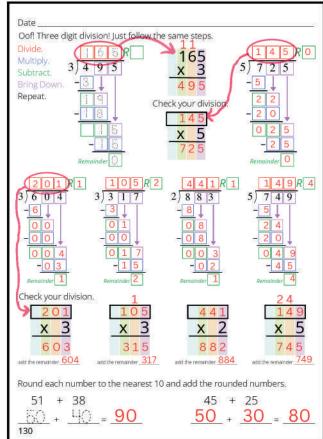


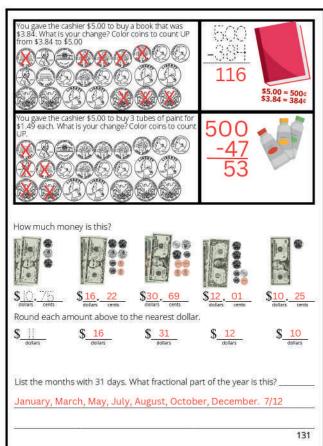


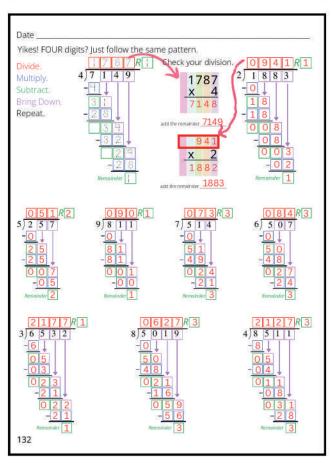


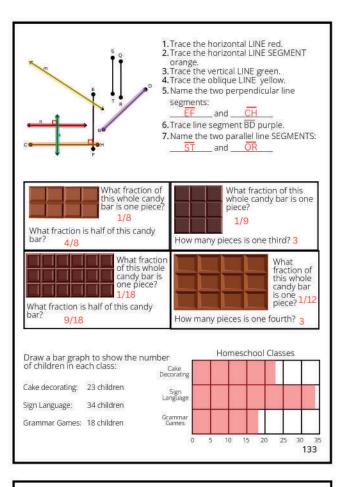


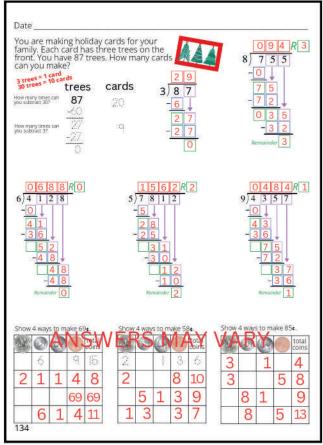


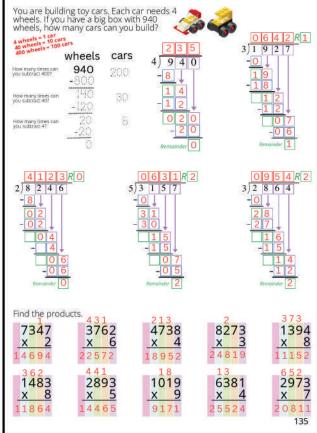


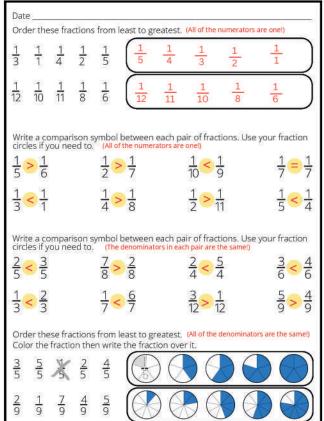


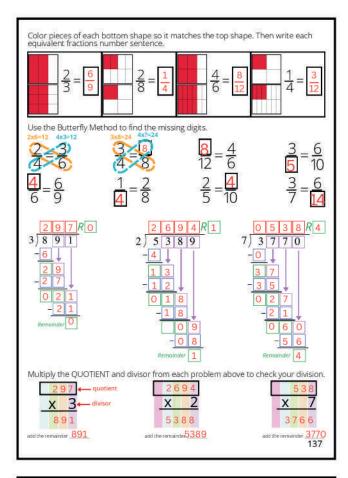


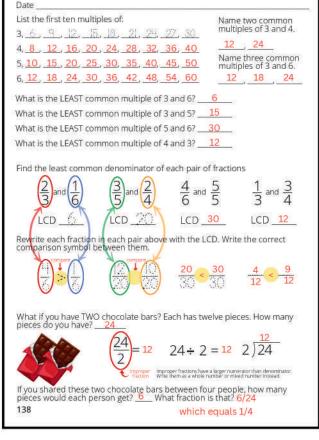


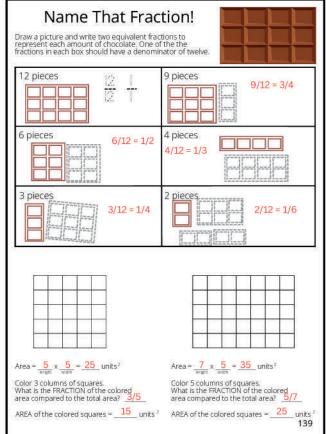


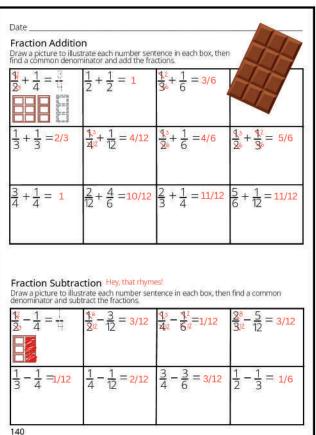


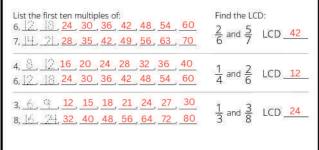












Order these fractions from least to greatest. Draw each fraction, then label it

<u>3</u> 8	<u>5</u>	<u>1</u> 8	<u>2</u> 8	<u>4</u> 8	
<u>1</u>	$\frac{1}{2}$	<u>1</u>	<u>1</u>	<u>1</u>	

Use your number line to find the sum/difference of each problem.

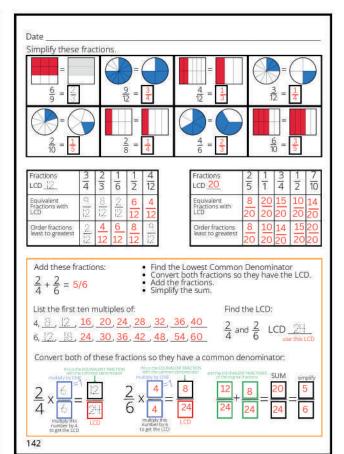
11 + -13 =2	55 = 10	-98 = <u>-1</u>
-9 + -14 = <u>-23</u>	2 - 6 =4_	510 = <u>15</u>
-1 - 12 = <u>-13</u>	7 - 8 = <u>-1</u>	11 - 10 =1
37 = <u>10</u>	-8 + 7 = <u>-1</u>	3 - 12 = <u>-9</u>

Round each number to the nearest 10; add the rounded numbers mentally.

6/	1	35			23 +
70	+	40	=	110	20 +
88	+	24			55 +
90	+	20	-	110	60 +

19 20 = 40 54

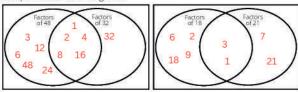
50 141





Five children will share fifteen cookies. Write a number sentence and illustrate it.

Complete these Venn Diagrams.



Use your number line to find the sum/difference of each problem

Ose your marriber line	to find the suffrainerence of e	aci i problem.
3 + 5 = <u>8</u>	4 + -8 = <u>-4</u>	-2 - 6 = <u>-8</u>
35 =	4 - 8 =4_	26 = _8_
-3 + 5 = <u>2</u>	4 + 8 = <u>12</u>	6 + -2 = <u>4</u>
3 - 5 = <u>-2</u>	-48 = <u>4</u>	-2 + -6 = <u>-8</u>

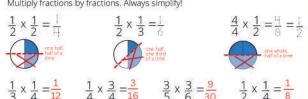
Multiply fractions by WHOLE numbers. Always simplify!



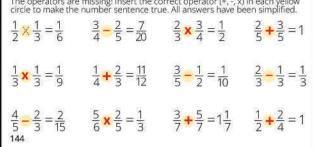


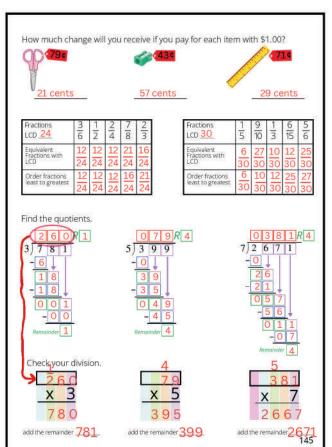


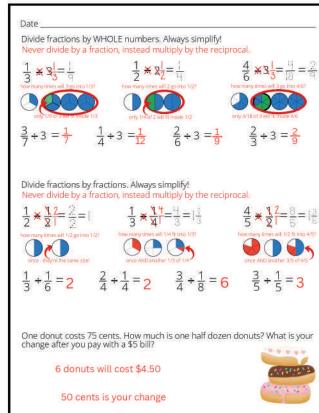
Multiply fractions by fractions. Always simplify!

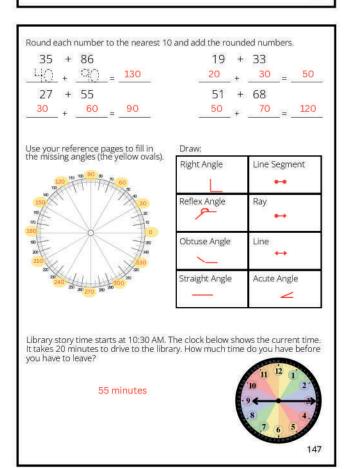


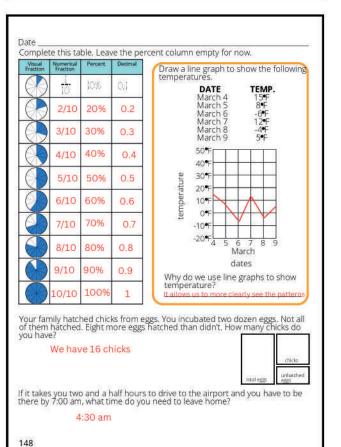
The operators are missing! Insert the correct operator $(+, -, \times)$ in each yellow circle to make the number sentence true. All answers have been simplified.











There are three tennis balls in a small package. The medium-sized package has twice that amount. The largest package has five times as many balls as the small size.

You have one gallon of water. Use a blue crayon to "fill" as many of these containers as you can before you run out of water. Use all of the water.



What fraction of the containers did you "fill"?

What decimal is that fraction?

You are having a pizza party with 13 friends, plus yourself. You figure each person will want to eat 4 slices.

How many slices do you need? <u>52</u>

 $56 \div 8 = 7$



56

8





Improper fractions have a larger numerator than denominator. They should be written as a whole number or a mixed number instead of as a top heavy (larger numerator) fraction. This one is a WHOLE number.

149

Use the menu prices to add up the cost of each meal. Find each customer's change if they pay with a \$10.00 bill.

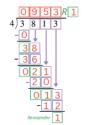


\$2.81 is your change

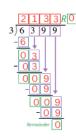


10.00 1.50 1.75 7.79

\$2.21 is your change







Check your division. Multiply each quotient by its divisor.



150

5124

dd the remainder 3813 add the remainder 5125

add the remainder 6399

Re-write and stack the numbers, lining up the decimal points. Find the sum.

7.5 + 2.55 = 10.051.75 + 2.3 = 4.05 4.3 + 9.1 = <u>13.4</u>

5.02 + 3.4 = 8.422.18 + 1.22 = <u>3.4</u> 1.43 + 2.1 = 3.531.14 + 1.16 = 2.32.7 + 1.75 = 4.451.6 + 1.8 = <u>3.4</u>

Fractions LCD 18	$\frac{1}{2}$	1 18	79	<u>2</u> 3	<u>5</u>
Equivalent Fractions with LCD	9 18	1 18	14 18	12 18	15 18
Order fractions least to greatest	1 18	9	<u>12</u>	14 18	15 18

Fractions	<u>2</u>	$\frac{4}{7}$	1	<u>11</u>	<u>6</u>
LCD <u>21</u>	3		3	21	7
Equivalent Fractions with LCD	14 21	12 21	7 21	11 21	<u>18</u> 21
Order fractions	7	11	12	14	18
least to greatest	21		21	21	21

If you paid for each of these items with \$5.00, how much change would you receive? Draw the bills and coins you would use to make that amount.





ANSWERS MAY CHANGE DEPENDING ON HOW THE CHANGE IS DRAWN

Use the correct comparison symbol (<, >, =).

358 - 129 2 74 + 57

√81 - 1 <

6 x 3

28/4 = 56/8

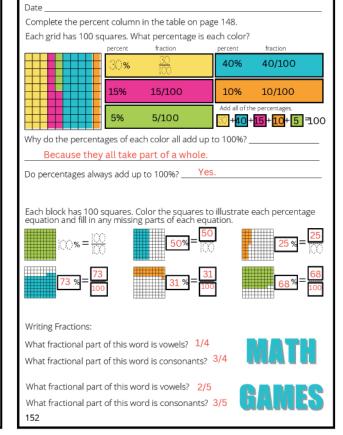
72/9 one half



 $\sqrt{64}$ three fourths

seconds in one minute

one gallon

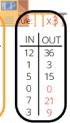


Send each number from the IN column through the function machine. Figure out the rule for each function and complete the OUT column of the function table.

36 11 9 19 15 12 48 24 20 8 32 4 17 68 50 15 60







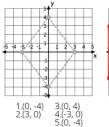
You have seven quarters and your brother has nine quarters. How many quarters do you have altogether? Write a number sentence.

7 quarters + 9 quarters = 16 quarters

How much money is that?

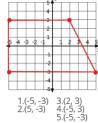
4 dollars

Let's draw quadrilaterals. Graph the points listed below each coordinate plane, then connect the dots in the order they are given.

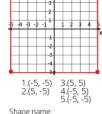








guadrilateral



Shape name:

square 153 Date

Solve:

$$4 - 15 \div 3 + 1 = 0$$

 $5 \times 5 - 4 \times 4 = 9$

Order of Operations (PEMDAS):

- Parentheses
- 3. Multiply & Divide from left to right
- 4. Add & Subtract from left to right

Write operators (x,+,-) in all of the empty squares to make each number sentence true. Remember to apply the Order of Operations, PEMDAS.





You earned \$125.50 doing yard work for one neighbor and \$178.50 doing yard work for another neighbor. How much did you earn altogether?

125.50 + 178.50 \$304.00



Add or subtract these decimals. Stack the numbers and line the digits up by

1.5 + 0.34 = 1.84

1.1 + 4.6 = 5.7

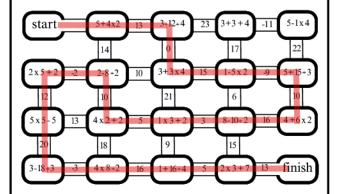
8.6 - 1.12 = 7.48

2.75 + 2.25 = __5_ 3.7 - 1.31 = 2.39

3.8 - 2.2 = <u>1.3</u> 7.6 + 2.3 = 9.9 9.9 - 8.1 = 1.8 8.4 + 5.14 = 13.54

Find the missing decimal addends.

$$7.5 + 2.5 = 10$$



Find a common denominator, then add and subtract the fractions.

$$\frac{12}{2} - \frac{1}{4} = \frac{1}{4}$$

$$\frac{1}{4} + \frac{5}{9} = \frac{7}{9}$$

$$\frac{2}{3} - \frac{3}{6} = \frac{1}{6}$$

$$\frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$

$$\frac{1}{3} + \frac{1}{4} = \frac{7}{13}$$

$$\frac{5}{6} - \frac{3}{43} = \frac{7}{12}$$

$$\frac{5}{6} - \frac{3}{12} = \frac{7}{12}$$
 $\frac{1}{2} + \frac{3}{6} = \frac{1}{6}$

$$\frac{7}{8} - \frac{1}{2} = \frac{3}{8}$$

$$\frac{1}{3} - \frac{1}{12} = \frac{2}{12}$$

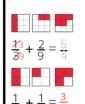
$$\frac{3}{4} - \frac{3}{12} = \frac{6}{12}$$

$$\frac{3}{4} - \frac{3}{12} = \frac{6}{12}$$
 $\frac{3}{4} - \frac{3}{6} = \frac{3}{12}$

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

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Add the fractions and color the squares to match. Remember to simplify the result!











Add or subtract these percentages.

14% + 25% = <u>39</u>%

100% - 99% = <u>1%</u> 11% + 54% = <u>65</u>%

31% + 18% = <u>49</u>% 97% - 79% = <u>18</u>%

65% - 22% = <u>43%</u>

If your grandma was born in 1952 how old is she?

Subtract 1952 from the current year.

You practiced the piano for half an hour every day and you have a lesson for one hour each week. How much time each week do you spend playing the piano?

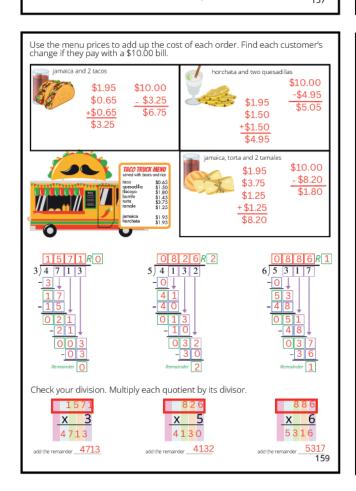
4 1/2 hours

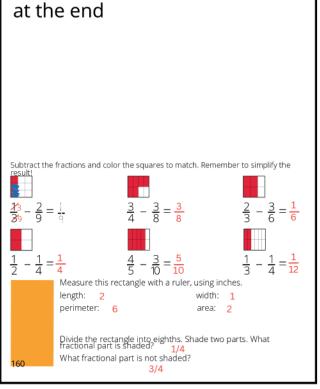
Let's paint your bedroom door. What color would you like?_ Use a tape measure to measure your door: ANSWERS MAY VARY: length: Each pint of paint will cover 1,500 square inches and costs \$8.95. How many pints of paint will you need? How much will the paint cost? If you pay with a \$20 bill, how much change will you get? Draw the coins and bills. Write operators $(x, \div, +, -)$ in all of the empty squares to make each number sentence true. Remember to apply the Order of Operations, PEMDAS. 7 | - | 6 | + | $9 \div |3| + |5| = |8|$ Х 6 | + |12| 8 4 4 X 4 = 8 6 = + = = = What will be have late of your next birthday?

How many days is that from today?

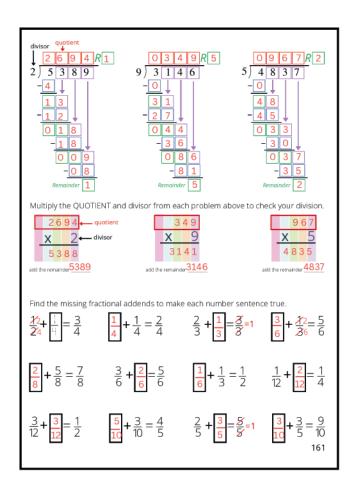
What will be the date of your fifteenth birthous?

page 158 PEMDAS SOLUTIONS at the end Solve for x; (get x by itself!) Step 1: divide BOTH sides of the equation by 2 2(2+X) =Step 2: subtract 2 from BOTH sides of the equation 2(2+3) = 10Solve for the variable: $X = \underline{2}$ X + 8 = 10 4(5 - X) = 12 $X = _9$ X = <u>3</u> $(X + 6) \div 3 = 5$ 7X = 212 + 3(8 - 🗶) = 11 2(X + 5) - 5 = 17 $X = _{6}$ The operators are missing! Insert the correct operator $(+, -, x, \div)$ in each yellow circle to make the number sentence true. All answers have been simplified.





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$$8 = \frac{18}{1 \times 9} = 3 = \frac{15}{2 \times 9} = \frac{1.5}{2.5} = \frac{1.$$

$$\begin{array}{c}
25 \\
5 \times 5 - 4 \times 4 = 9 \\
\end{array} \begin{array}{c}
1. \text{multiplication} \\
2. \text{subtraction left to right 25-16=9}
\end{array} \begin{array}{c}
10 \\
3 + 4 \\
\end{array}$$

$$(3 + 7) \times (3 + 1) = 40$$

$$5 \times (5^{-4}) \times 4 = 20$$
 1. parentheses 5-4=1 2. multiplication $5 \times 1 \times 4 = 20$

$$(3^{10} + 7) + 3^{3} \times 1 = 13^{1. \text{ parentheses } 3+7=10}$$

2. multiplication $3 \times 1=3$
3. add left to right $10+3=13$

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$$5 \times (5^{14}) \times 4 = 20$$
 1. parentheses 5-4=1 2. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4 = 20$ 1. multiplication left to right $5 \times (5^{14}) \times 4$

$$5 \times 5(204) = \underbrace{0}_{1.\text{ parentheses interior 4-4=0}\atop 2.\text{ parentheses exterior 0x5=0}\atop 3.\text{ multiplication left to right 5x0=0}$$

$$3 \times (6^{\frac{3}{3}}) \times 6 = \frac{54}{2}$$
 1. parentheses 6-3=3 parentheses 6-3=3 parentheses 6-3=3

5 14)
$$\times 4 = 20$$
1. parentheses interior 5-4=1
2. parenthese exterior 5x1=5
3. multiplication left to right 5x4=20

$$3(633) \times 6 = 54$$
1. parentheses interior 6-3=3
2. parentheses exterior 3x3=9
3. multiplication left to right 9x6=54

$$\frac{100}{5(5\times4)} - 4 = \underline{96}^{1.\text{parentheses interior } 5\times4=20}_{2.\text{parentheses exterior } 5\times20=100}_{3.\text{subtraction left to right } 100-4=96}$$

$$3 \times 6(3 \times 6) = 324$$
1. parentheses interior $3x6=18$
2. parentheses exterior $6x18=108$
3. multiplication left to right $3x108=324$

$$3^{2-} 6 \xrightarrow{6} 1 + 12 \xrightarrow{6} 2 = 9 \xrightarrow{1.\text{exponent}} 2 \xrightarrow{1.\text{exponent}} 2 \xrightarrow{2.\text{parentheses interior } 10-9=1} (3^{2} + 1) \xrightarrow{1.\text{exponent}} 2 \xrightarrow{2.\text{parentheses interior } 4+4=8} 3 \xrightarrow{3.\text{ parentheses exterior } 6x1=6} 1 + 1 = 2 \xrightarrow{3.\text{ parentheses interior } 4+4=8} 3 \xrightarrow{3.\text{ division left to right } 8/8=1} 1 + 1 = 2 \xrightarrow{4.\text{ division } 12/2=6} 1 + 1 = 2 \xrightarrow{4.\text$$

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$$3 + 5^2 - \sqrt{81} = 19$$
 1. exponents (including roots)
2. add/sub left to right 3+25-9=19

$$2 + (6 \quad 3) - 3 = \underbrace{13_{\text{4.addition/subtraction left to right 2+11=13}^{\text{1.exponent}}}_{\text{2.parentheses interior 36-3=33}}_{\text{3.division 33/3=11}}$$

$$\frac{21}{7(532)} \div 3 = \frac{7}{3}$$
1. parentheses interior 5-2=3
2. parentheses exterior 7x3=21
3. division 21/3=7

$$2(5 \times 3^{-2} \times 3) - 4 = 2^{1.\text{exponent}}_{2.\text{mult in parentheses}} \sqrt{3 \times 3^{-1} \times 12^{2}} = 5^{1.\text{exponent}}_{2.\text{multiplication } 2.\text{multiplication } 2.\text{multiplication } 2.\text{multiplication } 3.\text{ addition } 9 + 16 = 4.\text{the square root}}_{3.\text{ subtraction left to right } 6 - 4 = 2}$$

$$\frac{16}{4} - 6 \times 2 + 14 \cdot 2 = 11$$

1.exponent
2.mult/div left to right 6x2-12 and 14/2=7
3.addition/subtraction left to right 16-12+7=11