

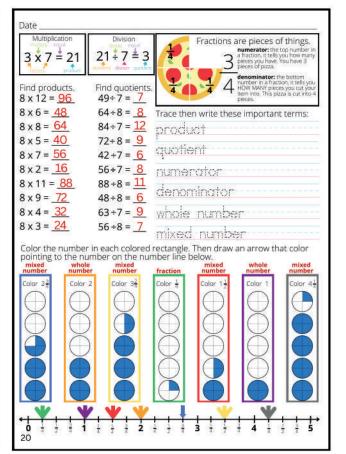
96 ÷ 8

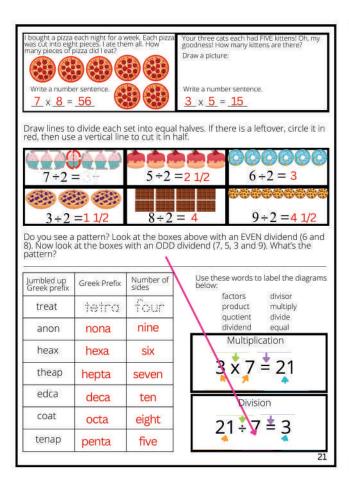
72 + 8

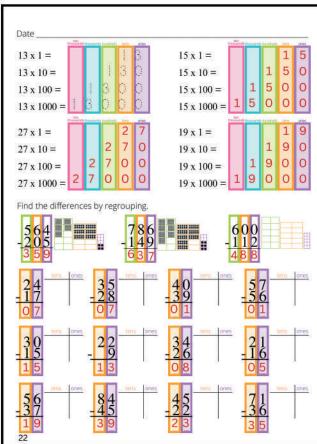
48 ÷ 8

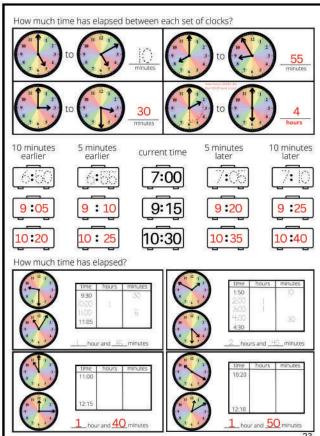
= 12

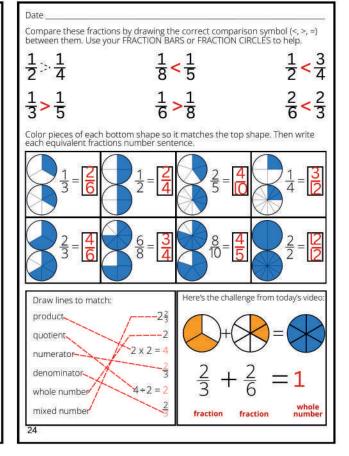
56 + 8

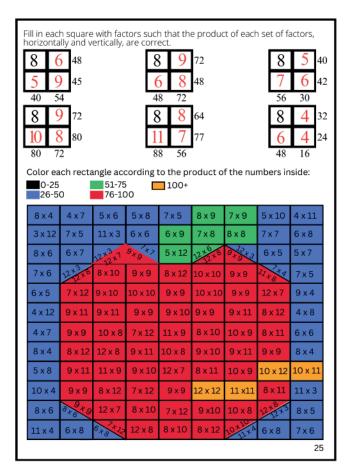


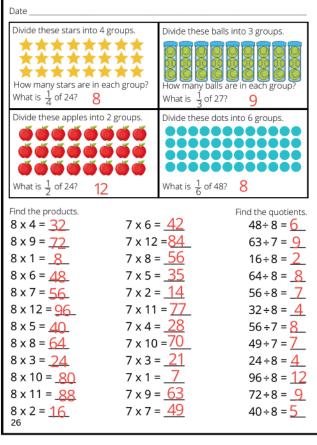


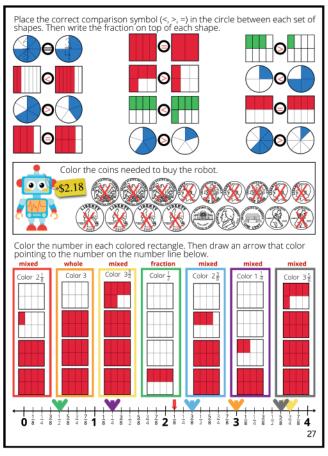


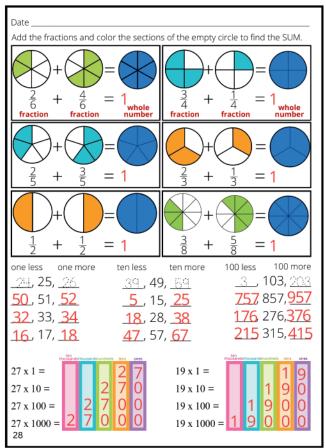


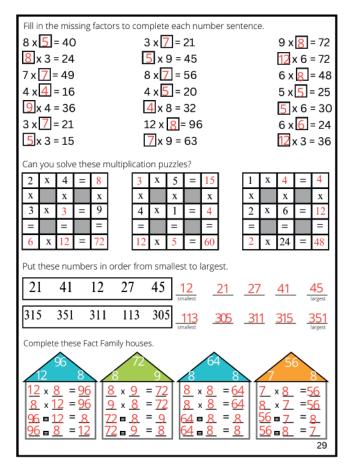


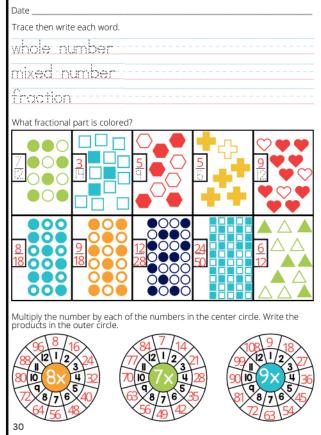


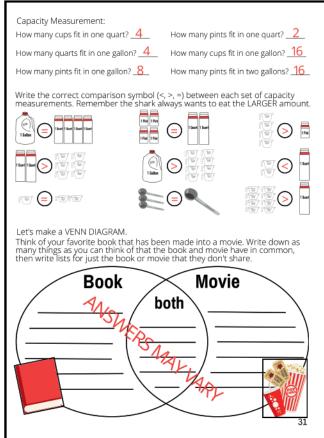


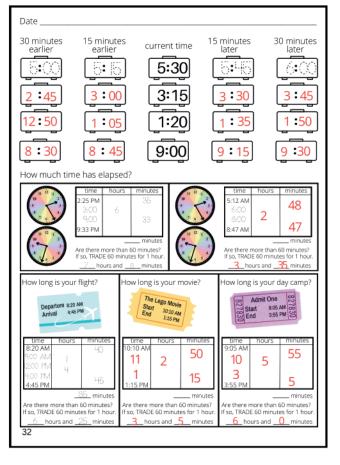


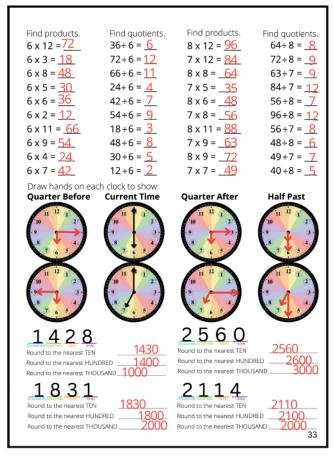


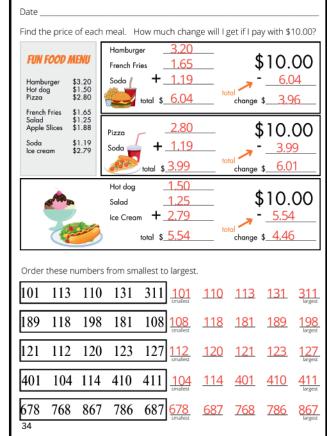


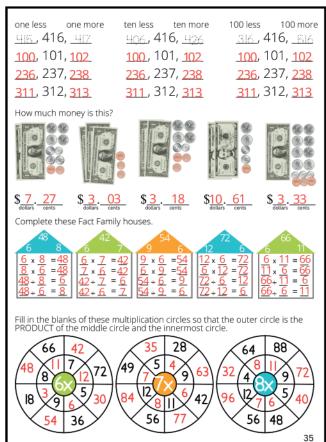


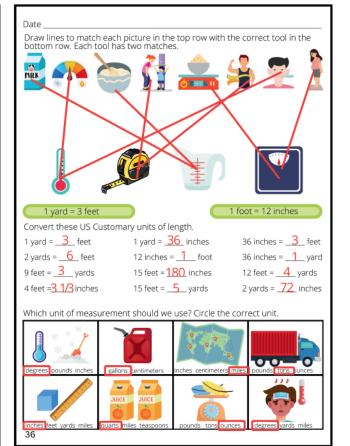


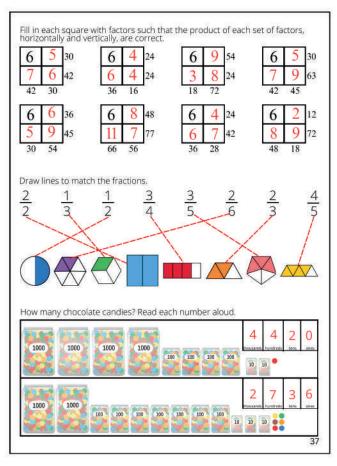


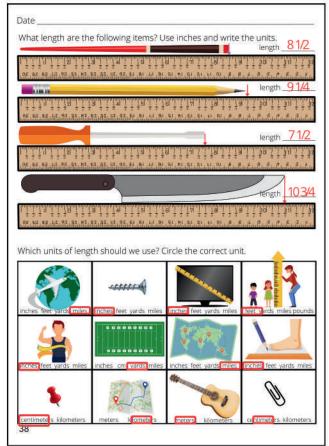


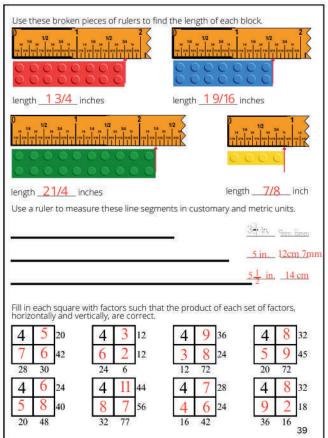


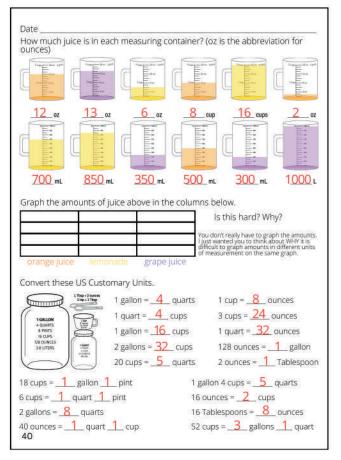


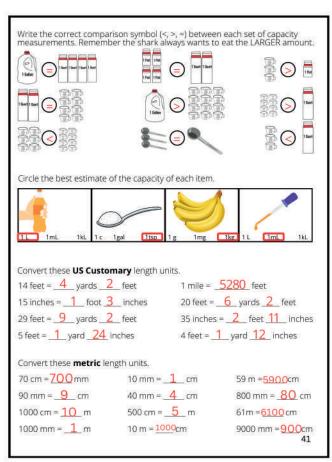


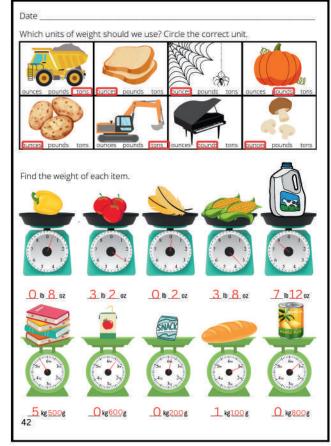


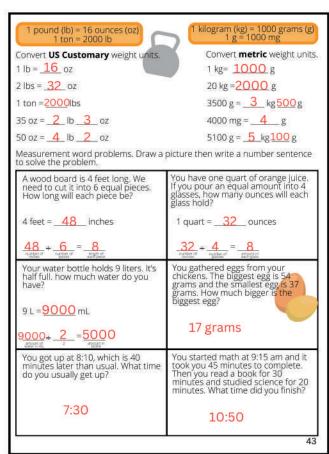


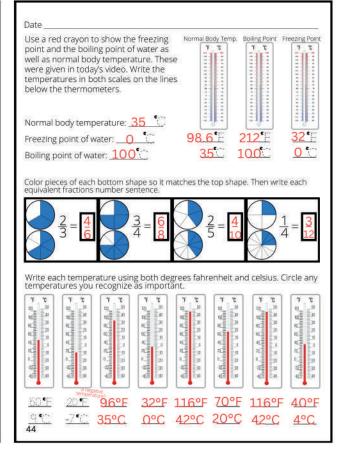


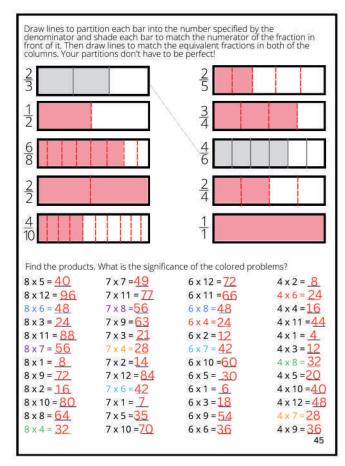


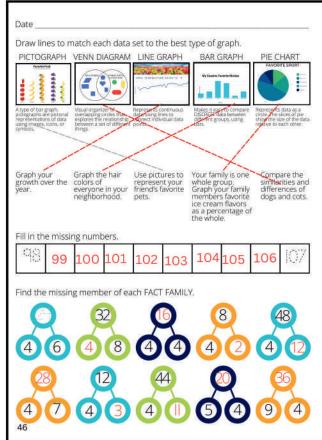


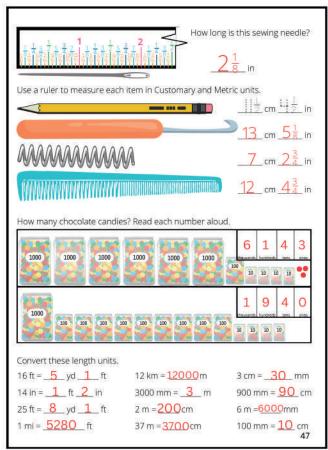


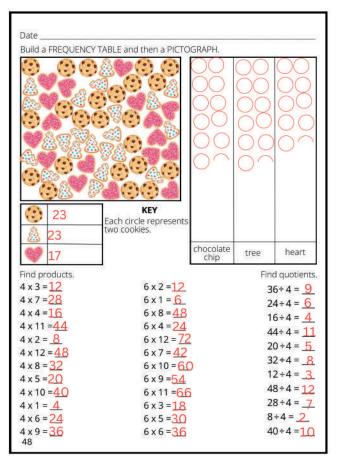


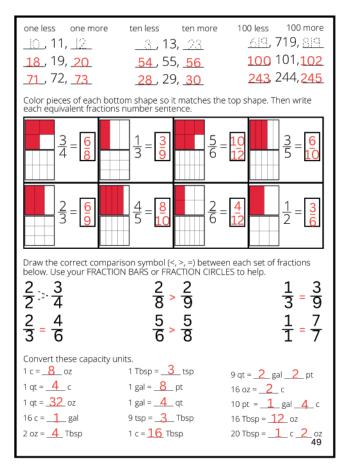


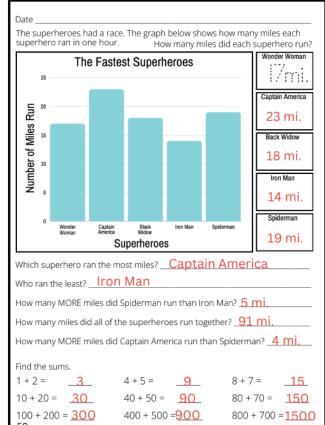


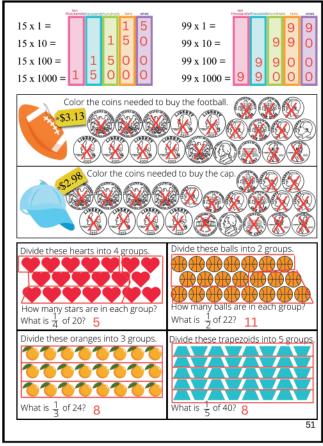


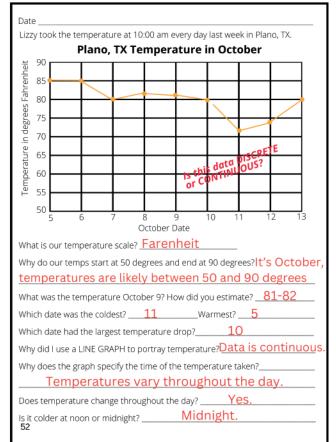


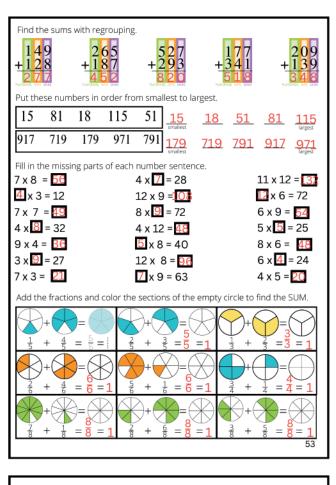


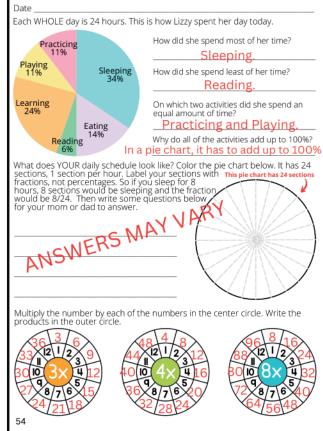












One tenth means one whole divided into ten parts. We can write "divided by" as 1+10 or as $\frac{1}{10}$ or as 1/10. They all mean the same thing.

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



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

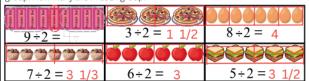
 $56\% = \frac{56}{10}$

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

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

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

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?

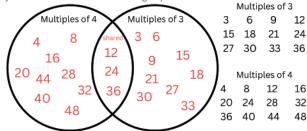


Find the missing member of each FACT FAMILY.

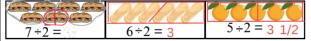


Date

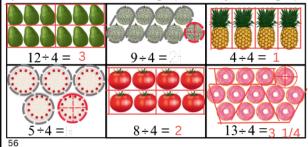
Add the multiples of 3 and 4 to the correct circles. Cross out each number as you use it. Which numbers do both groups share?

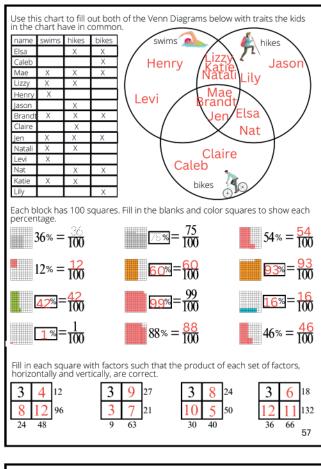


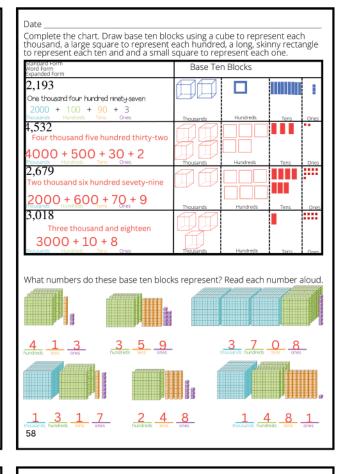
Draw lines to divide each set into equal halves. If there is a leftover, circle it in red, then use a vertical line to cut it in half. Split the HALVES between the two groups. How many are in each group?

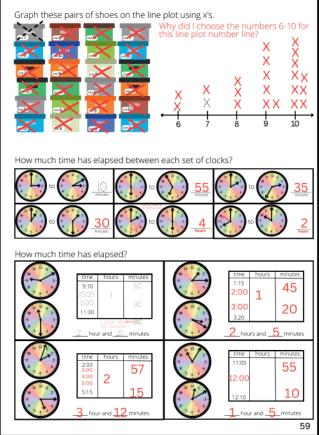


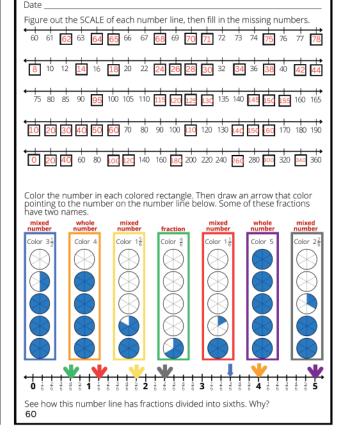
Draw lines to divide each set into equal FOURTHS. Each fourth is one group. If there is a leftover, circle it in red, then use two lines to cut it into FOURTHS. Split the leftover FOURTH between the groups. How many are in each group?

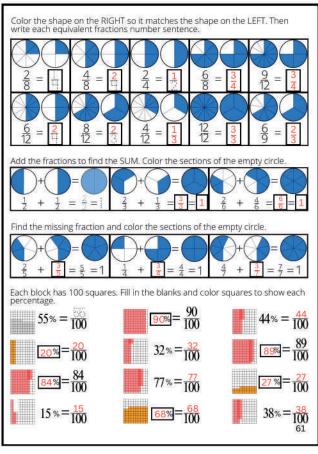


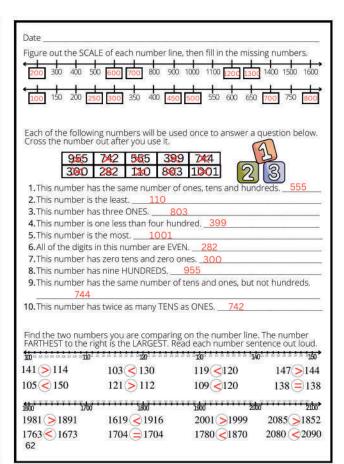


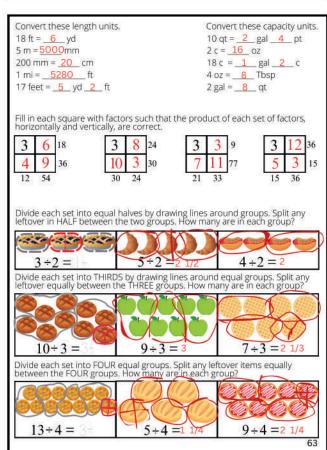


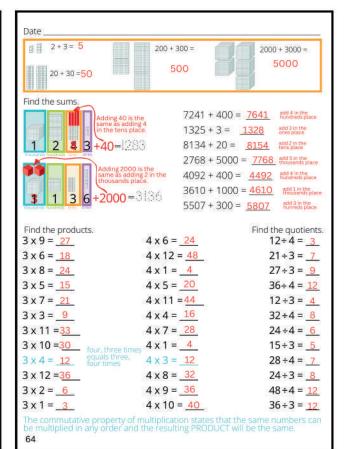


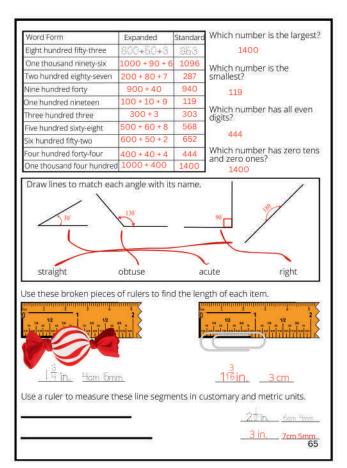


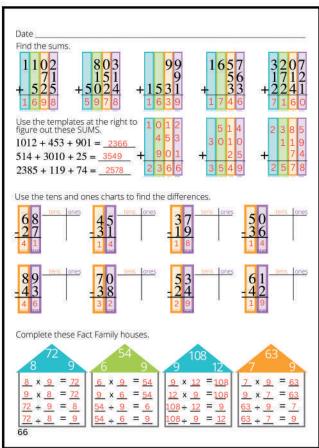


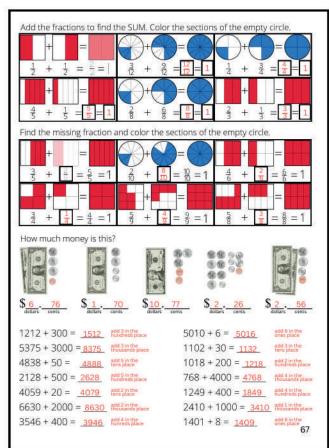


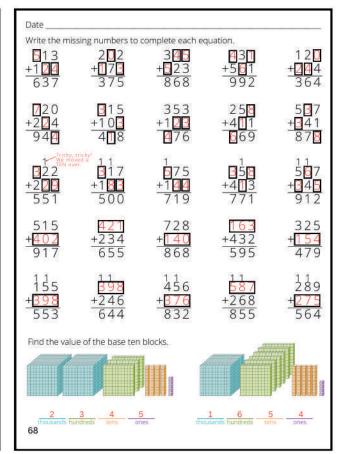


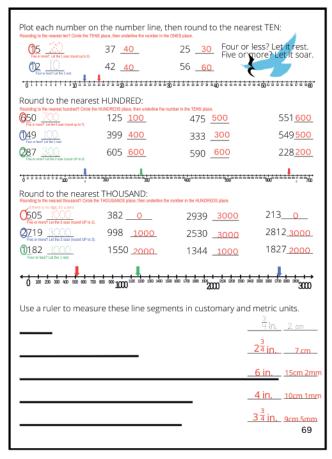


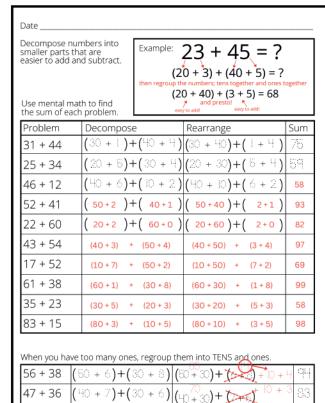




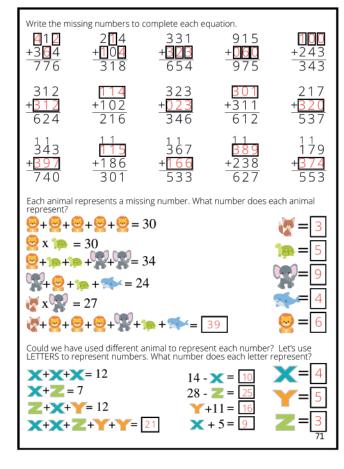


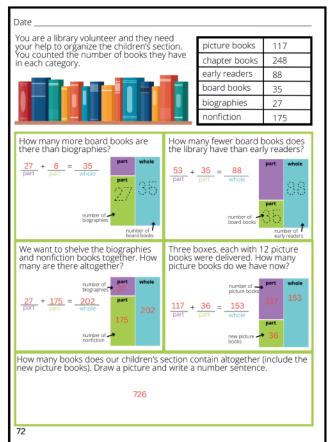


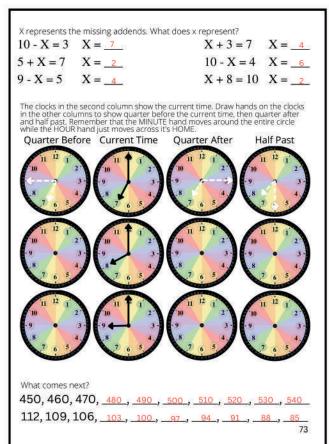


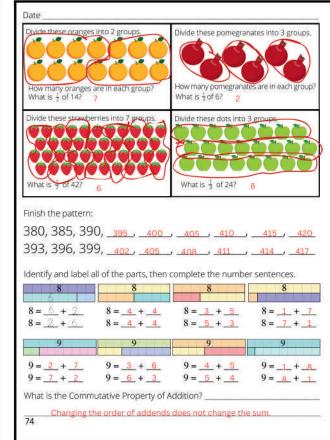


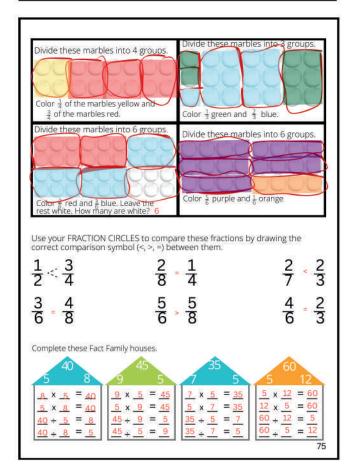
35 + 29

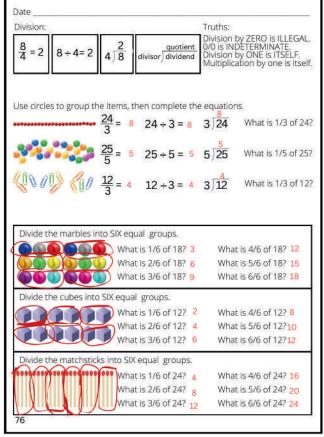


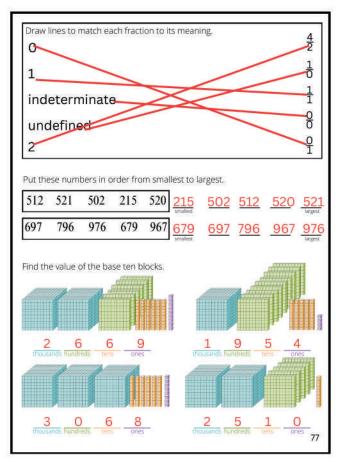


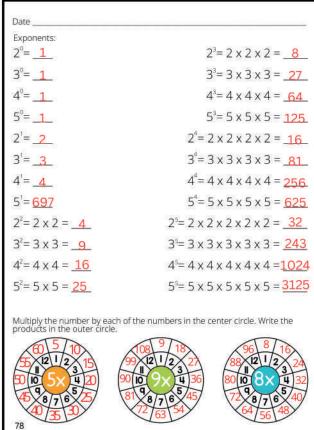


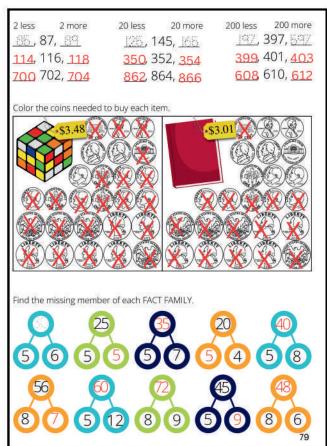


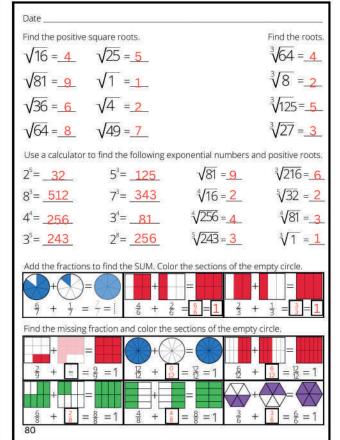


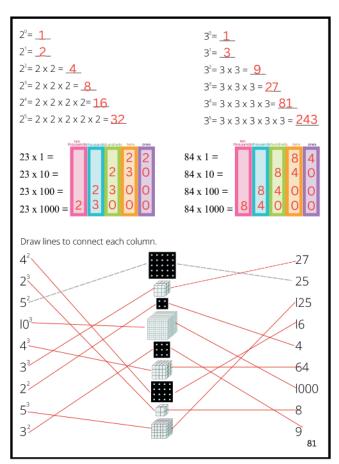


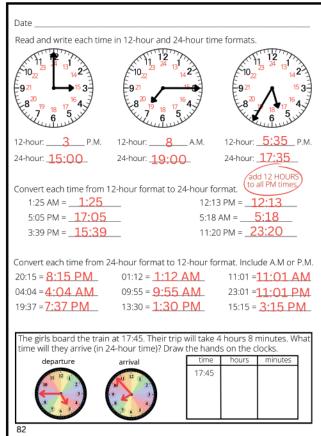


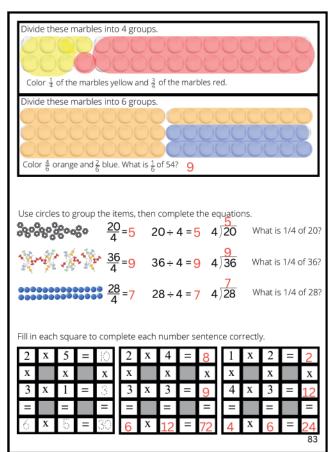


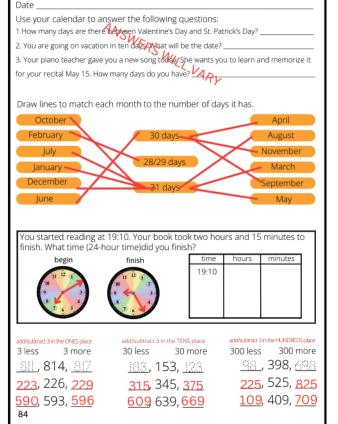


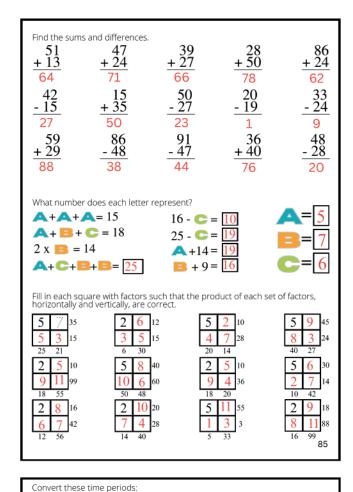


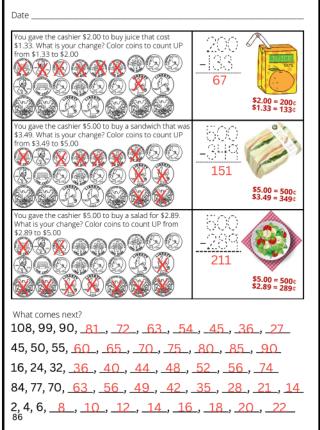


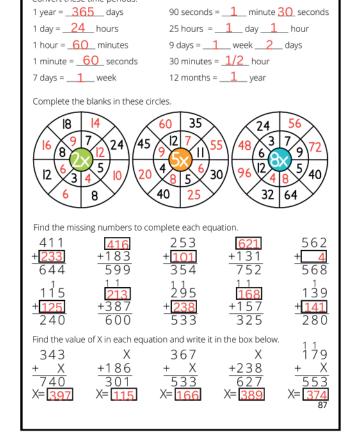




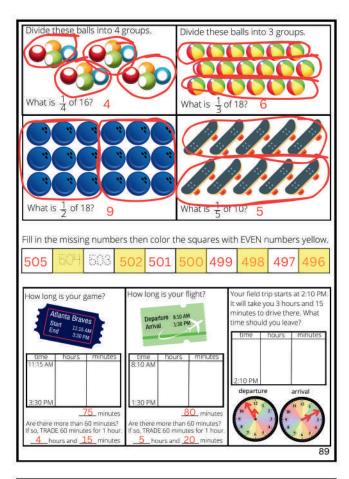


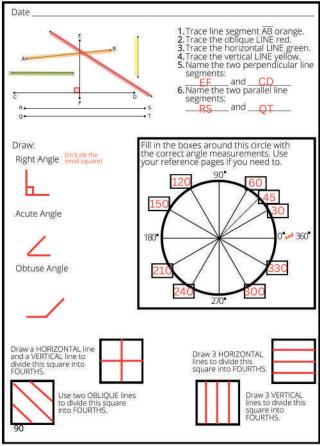


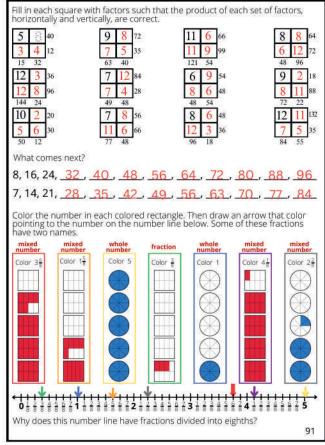


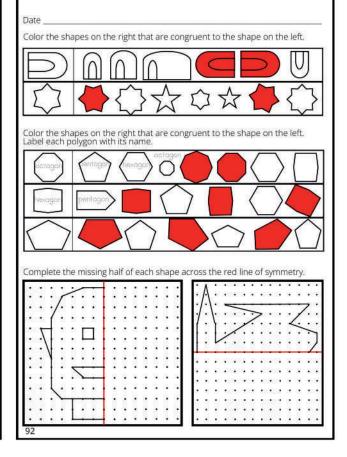


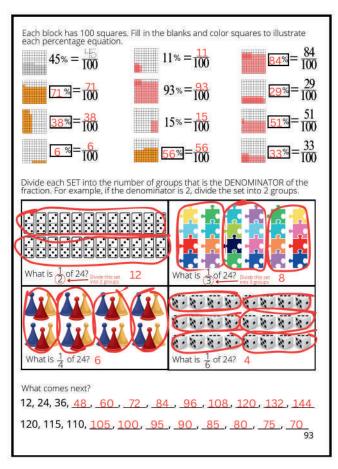


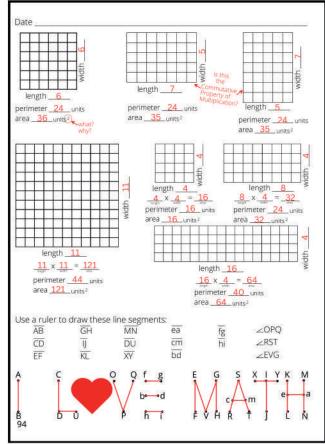


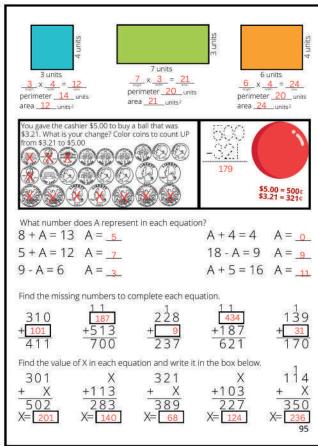


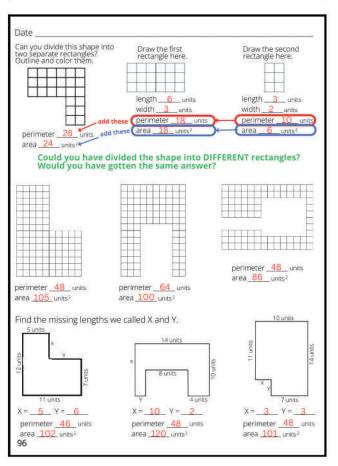


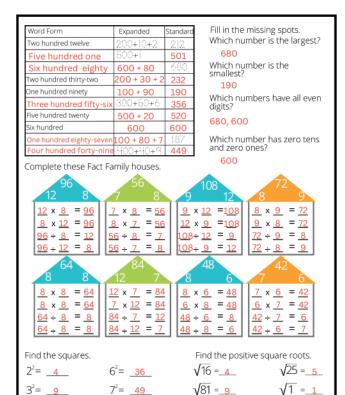












4²= <u>16</u>

 $5^2 = 25$

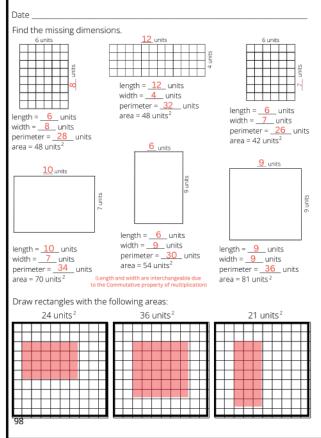
8²= <u>64</u>

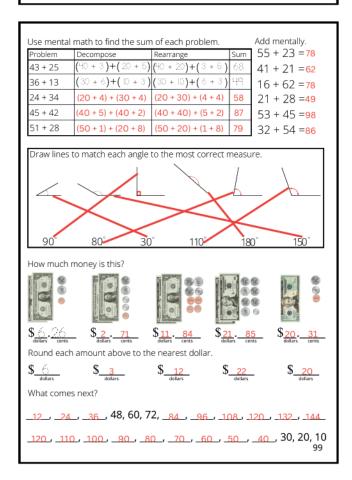
9²= 81

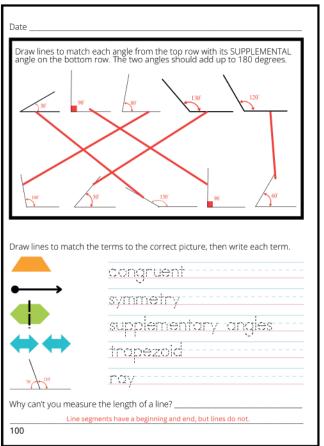
√36 =<u>6</u>

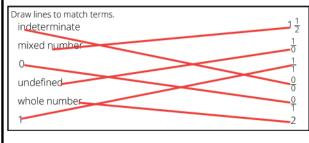
 $\sqrt{64} = 8$

 $\sqrt{4} = 2$ $\sqrt{49} = 7$ 97









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

1	٠.	1
4		5

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

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

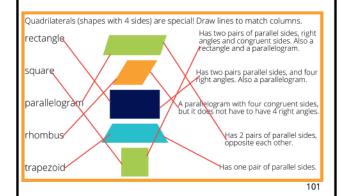
$$\frac{1}{3} < \frac{2}{3}$$

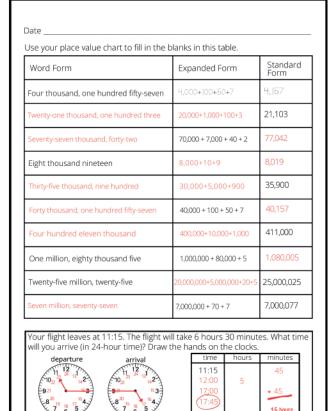
$$\frac{3}{5} < \frac{4}{5}$$

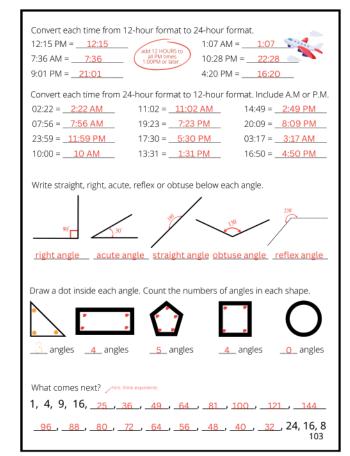
$$\frac{6}{12} = \frac{2}{4}$$

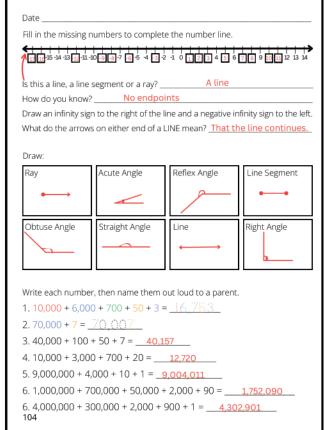
$$\frac{3}{4} = \frac{6}{8}$$

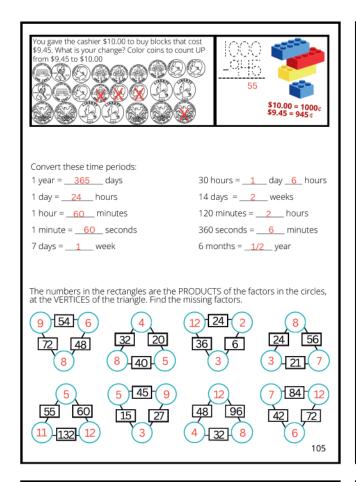
$$\frac{4}{6} < \frac{4}{5}$$

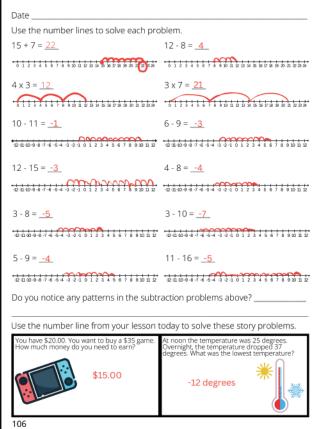


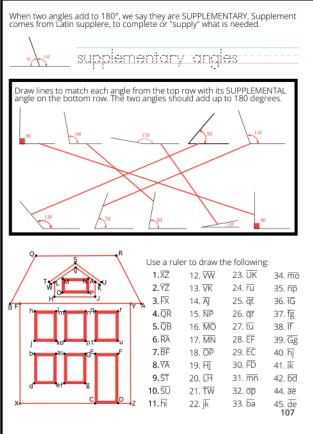


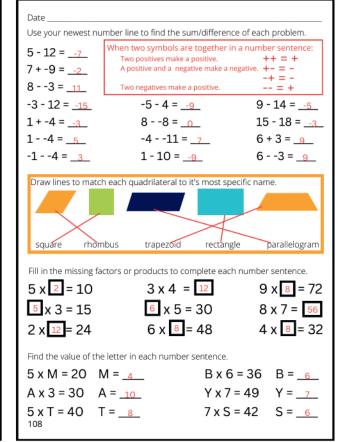


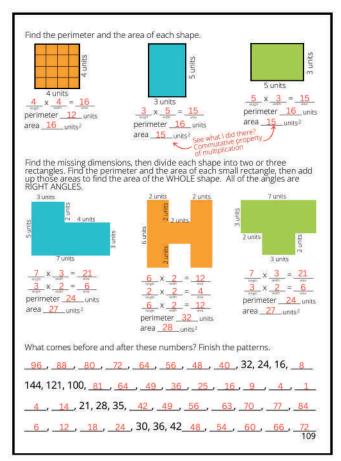


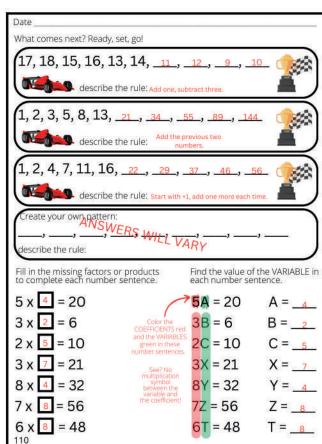


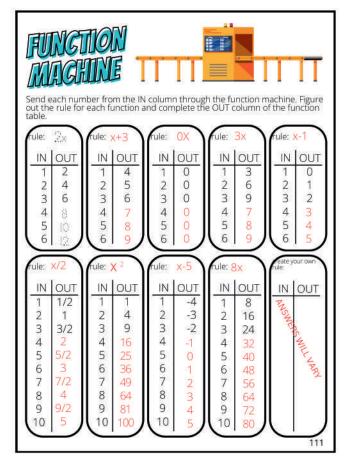


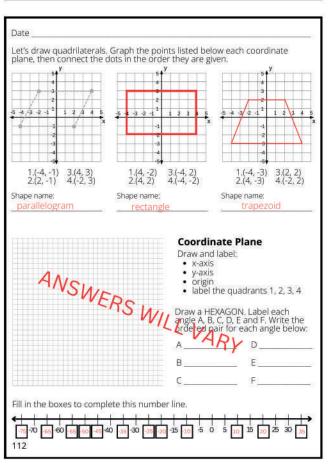


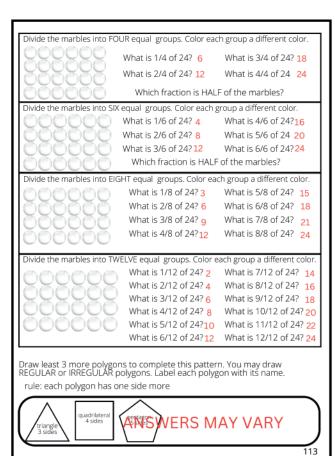


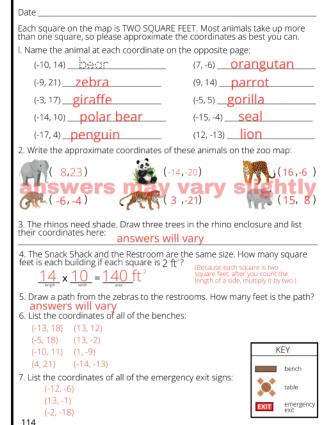






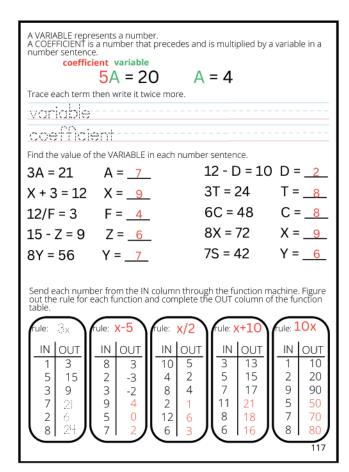




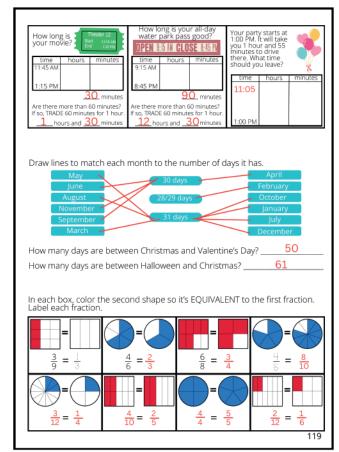


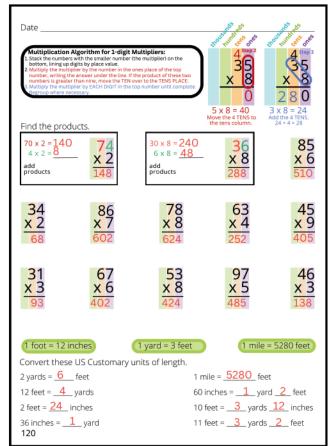


Date								
Problem	Expanded Form	Sep	arate	De	ecompose Ad	dd products		
2 x 43	2 x (40 + 3)	2 x 40 2 x 3		40 2 x 4 x 10 2 x 3				80 + 6 86
6 x 26	6 x (20 + 6)	6 x 20 6 x 6				ONENIO		1 2 0 + 3 6 1 5 6
3 x 59	3 x (50 + 9)	3 x 50 3 x 9		3 x 5 x 10 3 x 9		1 5 0 + 2 7 1 7 7		
8 x 67	8 x (60 + 7)		x 60 x 7	8	x5x10 8x7	4 0 0 4 5 6 4 5 6		
4 x 753	4 x (700 + 50 + 3)		4 x 700 4 x 50 4 x 3		4 x 7 x 100 4 x 5 x 10 4 x 3	2800 200 + 12 3 2		
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)	1	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 3620		
2 x 363	2 × (300 + 60 + 3)		2 x 300 2 x 60 2 x 3		2x3x100 2x6x10 2x3	6 0 0 1 2 0 + 6 7 2 6		
116								



Date Problem	Expanded Form	Separate	Decompose	Add product
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 4 x 100 9 x 7 x 10 9 x 5	3600 630 + 45 4275
2 x 697	2 x (600 + 90 + 7)	2 x 6 x 100 2 x 9 x 10 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 × (7000 + 300 + 40 + 3)	7 x 7000 7 x 300 7 x 40 7 x 3	7x7x1000 7x3x100 7x4x10 7x3	49000 2100 280 + 21
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





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	200000 + 0000 + 2000 + 40040045045	2.124,863
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 = -3

2 - - 4 = 6

-1 - 11 = -12

7 - 15 = _-8_

-8 - -8 = 0

12 + -2 = 10

3 - -5 = _8_

4 - 10 = _-6_

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

-3 + 5 = <u>2</u>

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.

4

 $<\frac{1}{2}$

<u>1</u> 5 121

perimeter 34 units

area 61 units2

A painting_

33257

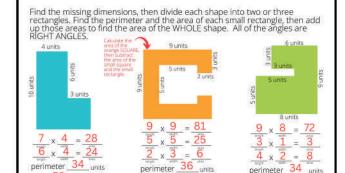
6844

13688

X

124

Date Multiplication Algorithm for 1-digit Multiplier Stack the numbers with the smaller number (the multiplier) on the bottom, lining up digits by place 375 x 5 Find the products. 735 x 4 = 849 x 6 = 735 849 398 700 x 4 = 800 x 6 = 4 6 5 X X X 40 x 6 = 5 x 4 = 9 x 6 = 2940 5094 dd products 643 x 3 856 364 827 256 x 8 x 7 x 6 x 4 2912 4962 1024 1929 5992 936 x 5 284 478 832 598 x 8 x 9 x 7 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 1 book ARY Your shoe



perimeter 36 units

area 50 units²

Use circles to group the items, then complete the equations.



area <u>52</u> units²

 $\frac{12}{3}$ = 4 12 ÷ 3 = 4 3)12 What is 1/3 of 12?

 $\frac{12}{6}$ = 2 12 ÷ 6 = 2 6 $\sqrt{12}$ What is 1/6 of 12?

0000 0000

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

Find the answers:

 $2^2 = 2 \times 2 = 4$ $2^3 = 2 \times 2 \times 2 = 8$ $2^{4} = 2 \times 2 \times 2 \times 2 = 16$

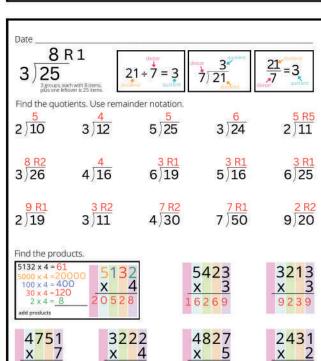
 $2^{5} = 2 \times 2 \times 2 \times 2 \times 2 = 32$

 $3^2 = 3 \times 3 = 9$

 $3 = 3 \times 3 \times 3 = 27$

 $3' = 3 \times 3 \times 3 \times 3 = 81$

 $3^{\frac{1}{2}} = 3 \times 3 \times 3 \times 3 \times 3 = \frac{243}{123}$



12888

8739

X

52434

24135

9832

29496

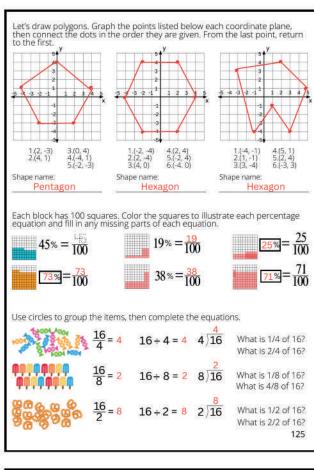
4862

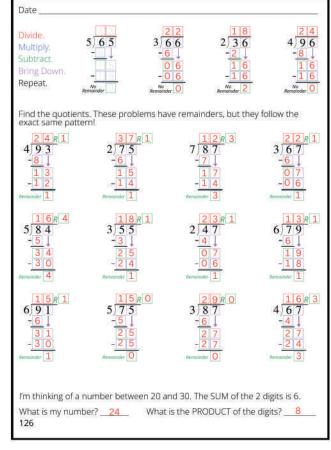
7368

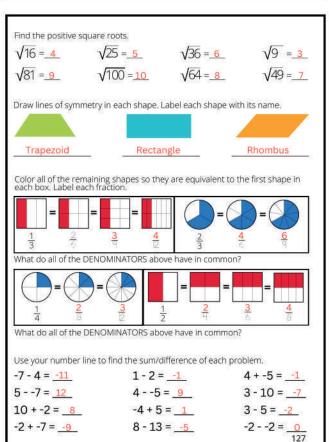
36840

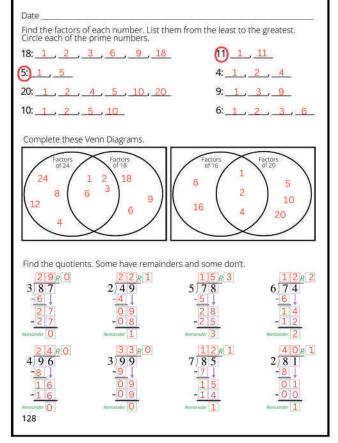
5

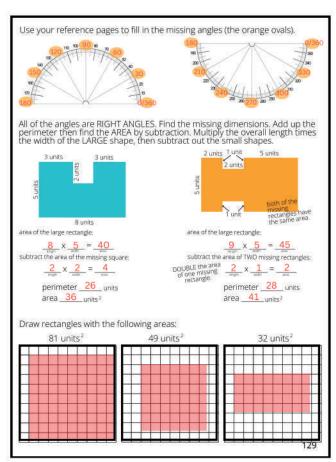
A phone

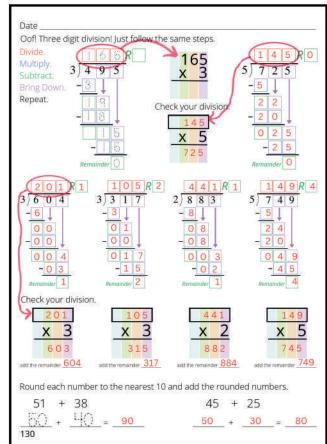


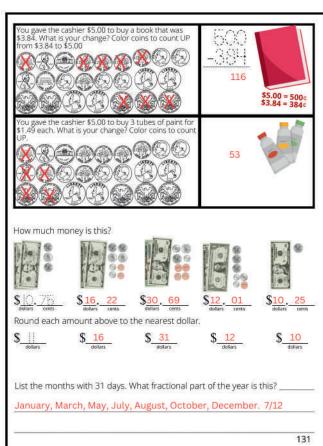


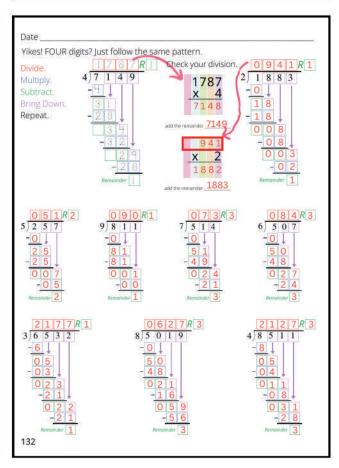


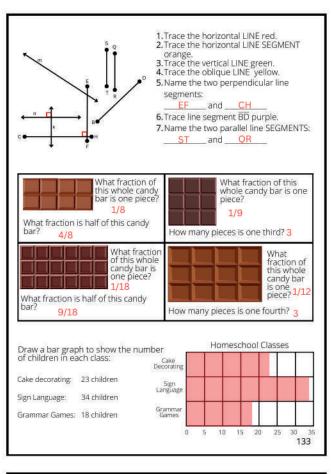


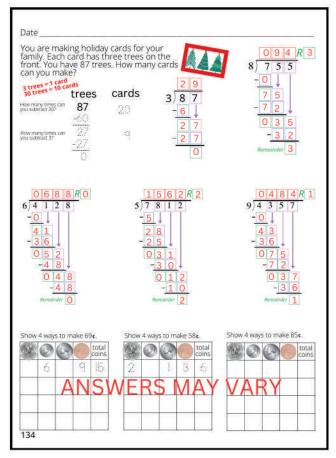


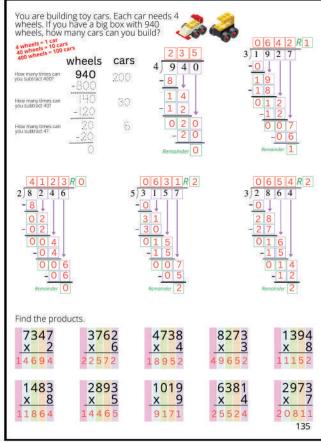


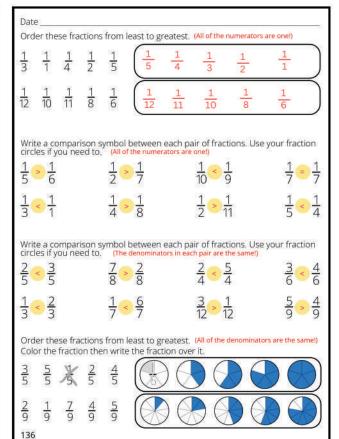


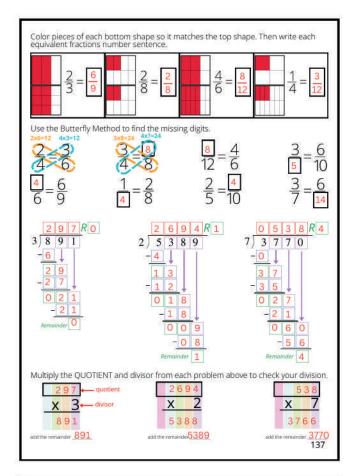


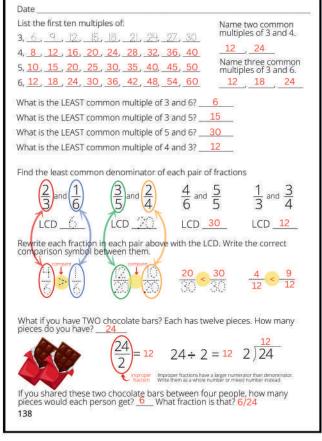


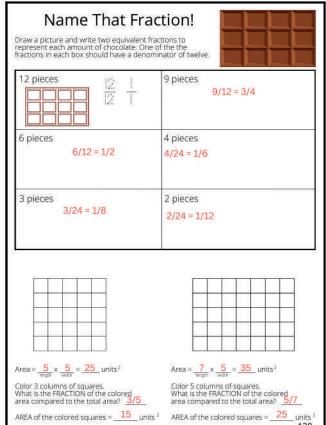


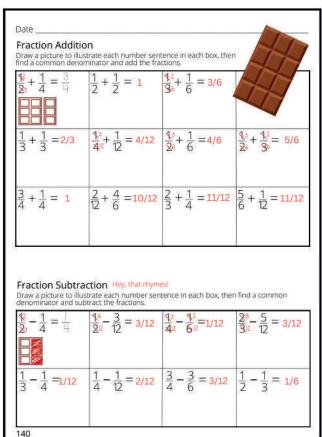


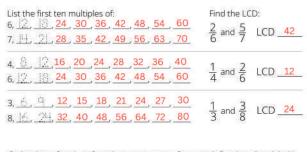












Order these fractions from least to greatest. Draw each fraction, then label it.

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

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

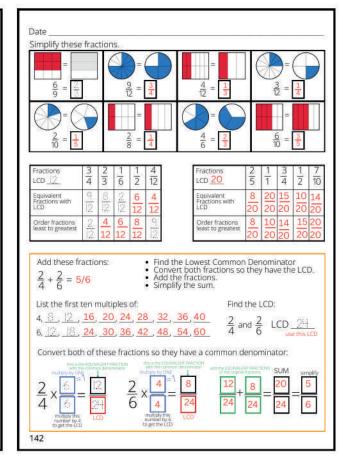
11 + -13 =2	55 = <u>10</u>	-98 = <u>-1</u>
-9 + -14 = <u>-23</u>	2 - 6 =4_	510 = <u>15</u>
-1 - 12 = <u>-13</u>	7 - 8 = <u>-1</u>	11 - 10 =1
37 = <u>10</u>	-8 + 7 = <u>-1</u>	3 - 12 = <u>-9</u>

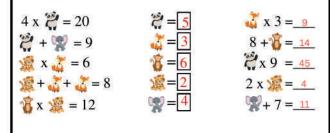
Round each number to the nearest 10; add the rounded numbers mentally.

= 110

141

67	+	35		23	+	19		
70	+	40	= 110		+	20	=	40
88	+	24		55	+	54		
90	+	20	= 110	_ 60	+	50	Ξ.	110

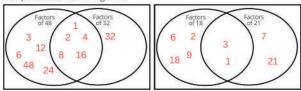




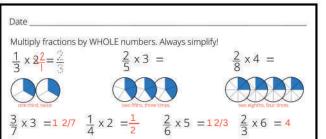
Five children will share fifteen cookies. Write a number sentence and illustrate it.



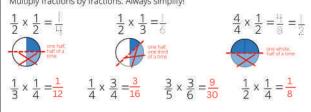
Complete these Venn Diagrams.



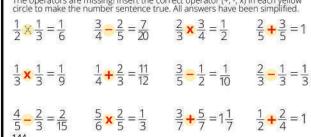
	to find the sufficience of e	acri problem.
3 + 5 = 8	4 + -8 = <u>-4</u>	-2 - 6 = <u>-8</u>
35 = _8_	4 - 8 =4_	26 = _8_
-3 + 5 = <u>2</u>	4 + 8 = 12	6 + -2 = 4
3 - 5 = <u>-2</u>	-48 = <u>4</u>	-2 + -6 = <u>-8</u>

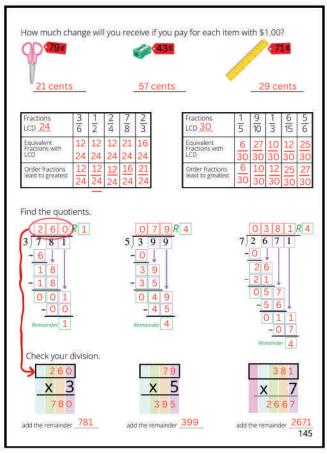


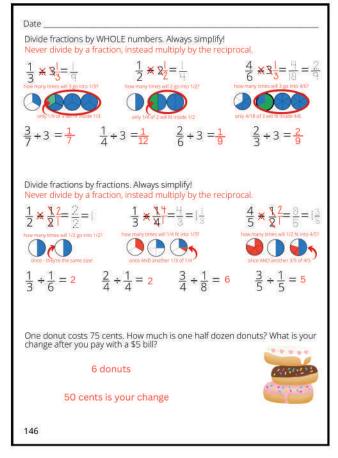


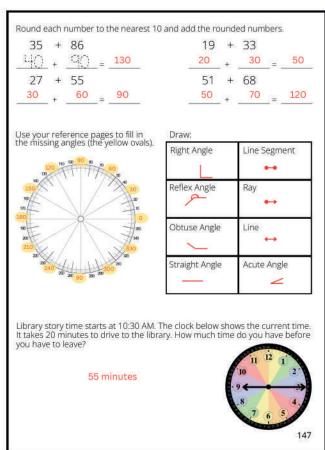


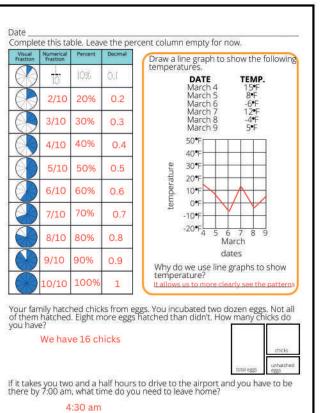
The operators are missing! Insert the correct operator (+, -, x) in each yellow circle to make the number sentence true. All answers have been simplified.

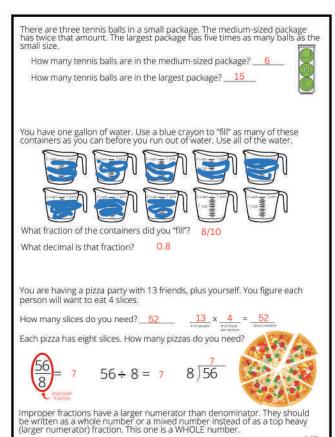


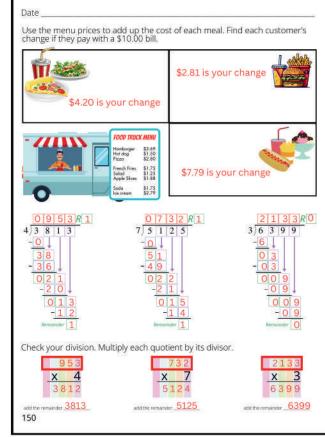


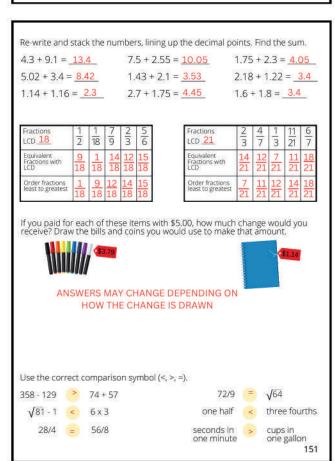


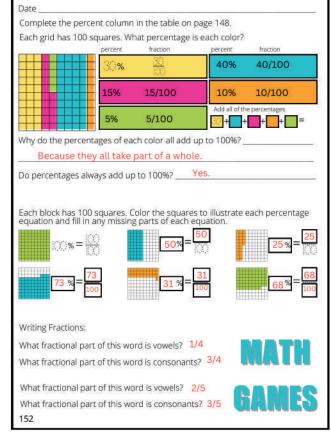












Send each number from the IN column through the function machine. Figure out the rule for each function and complete the OUT column of the function table.

100000	2000	5020	0.000	(185-1	WO stehs: II	HUNGOLION.		وهد	76	
ule;	-+-)	ule:	x4	rule: d	ouble plus one	rule:	double inusione	1	ıle:	1x3
IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT
11	7	9	36	3	7	10	19		12	36
19	15	12	48	7	15	12	23		1	3
24	20	8	32	4	9	7	13		5	15
4	0	17	68	8	17	6	11		0	0
50	46	15	60	10	21	8	15		7	21
16	2/	5	20	5	11	3	5	1	3	9
									_	_

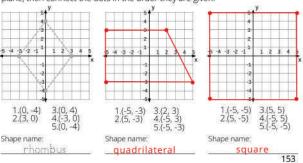
You have seven quarters and your brother has nine quarters. How many quarters do you have altogether? Write a number sentence.

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.



Solve:

 $2 + 9 \times 3 - 8 = 21$

4 - 15 ÷ 3 + 1 = 0

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

Order of Operations (PEMDAS):

2. Exponents

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 decimals.

1.5 + 0.34 = 1.84

1.1 + 4.6 = 5.7

8.6 - 1.12 = 7.48

2.75 + 2.25 = 5

3.8 - 2.2 = 1.3

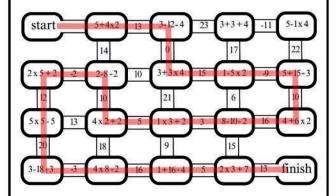
9.9 - 8.1 = 1.8

3.7 - 1.31 = 2.39

7.6 + 2.3 = 9.9

8.4 + 5.14 = 13.54

Find the missing decimal addends.



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

$$\frac{22}{24} - \frac{1}{4} = \frac{1}{4}$$

$$\frac{1}{4} + \frac{5}{2} = \frac{7}{6}$$

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

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

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

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

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

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

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

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

$$\frac{1}{3} - \frac{1}{12} = \frac{2}{12}$$
 $\frac{3}{4} - \frac{3}{12} = \frac{6}{12}$ $\frac{3}{4} - \frac{3}{6} = \frac{3}{12}$

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

Solve using the Order of Operations (PEMDAS):

 $8 \div 4 \times 9 - 3 = 15$

1-16+4+3=_0

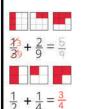
 $5 \times 5 - 4 \times 4 = 9$ $5 \times (5 - 4) \times 4 = 20$ $3 \times 7 - 3 \times 1 = 18$

 $3+7\times3+1=25$

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

 $(3+7)+3\times1=_{13}$

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





 $\frac{1}{10} + \frac{1}{5} = \frac{3}{10}$



Add or subtract these percentages.

14% + 25% = <u>29%</u>

100% - 99% = 1%

31% + 18% = <u>49%</u>

11% + 54% = <u>65%</u>

97% - 79% = 18%

65% - 22% = 43%

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

ANSWERS MAY VARY

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

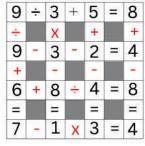
Let's paint your bedroom door. What color would you like? _ Use a tape measure to measure your door: ANSWERS MAY VARY length:

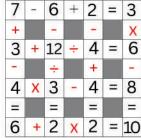
Each pint of paint will cover 1,500 square inches and costs \$8.95. How many pints of paint will you need? 2

How much will the paint cost? 2

If you pay with a \$20 bill, how much change will you get? Draw the coins and bills. 2

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





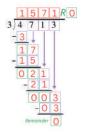
What will be had a date of your next birthday? _
How many days is that from today? _

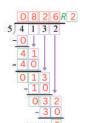
What will be the date of your fifteenth birthey?

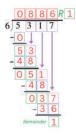
= 10



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







Check your division. Multiply each quotient by its divisor.







Solve using the Order of Operations (PEMDAS): $5 \times (5 - 4) \times 4 = 20$

 $5 \times 5(4 - 4) = 0$ $5(5-4) \times 4 = 20$

 $5(5 \times 4) - 4 = 96$

Date

 3^{2} - 6(10-9) + 12 ÷ 2 = _9_

 $3 \times 6 - 3 \times 6 = 0$

 $3 \times (6 - 3) \times 6 = 54$ $3(6-3) \times 6 = 54$

 $3 \times 6(3 \times 6) = 324$

 $(2^2+4) \div 2^3+1=$ ___2_

Solve for x: (get x by itself) 2(2+X) = 10 Step 1: divide BOTH sides of the equation by 2

2(2+X) = 10

Step 2: subtract 2 from BOTH sides of the equation

72+X) =5-2 X =(3) Step 3: Check your answer by replacing X with the answer 2(2+3) = 10

Solve for the variable:

X + 8 = 10 $(X + 6) \div 3 = 5$

X = 2X = 9 4(5 - X) = 127X = 21

X = -43 $X = \underline{3}$

2 + 3(8 - X) = 11 $X = _{5}$

2(X + 5) - 5 = 17 $X = _{6}$

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

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

$$\frac{2}{4} \times \frac{3}{4} = \frac{\cancel{6}}{\cancel{16}}$$

$$\frac{2}{3} \div \frac{3}{4} = \frac{3}{4}$$

$$\frac{2}{5} \div \frac{3}{5} = \frac{16}{18}$$

$$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$$

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

$$\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$$

$$\frac{3}{4} \times \frac{2}{3} = \frac{81}{12}$$

157

Solve using the Order of Operations (PEMDAS):

 $4^2 \div 2(3-1) \times \sqrt{9} = 12$

 $3 + 5^2 - \sqrt{81} = 19$

 $8(5 + 4) \div 12 = _6$

 $2(5 \times 3 - 2^2 \times 3) - 4 = 2$ 4^2 - 6 x 2 + 14 ÷ 2 = ___2 $5^2 - 2(9 - \sqrt{16}) \div 2 = 20$

 $2 + (6^2 - 3) \div 3 = _{13}$ $7(5-2)+3=_{7}$

 $\sqrt{3} \times 3 + 4^2 = 5$

 $(8+4)+2+1^3=_{7}$

Subtract the fractions and color the squares to match. Remember to simplify the



















Measure this rectangle with a ruler, using inches.

length: 2 perimeter: 6 width: 1 area: 2

Divide the rectangle into eighths. Shade two parts. What fractional part is shaded? What fractional part is not shaded?

160

3/4

