| 75 | +14 | -63 | +66 | +1 | -28 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Name: |  |  |  |  | -37 |
| 30 <br> -9 |  |  |  |  | Book 28 | +6 |
| +4 |  |  |  |  |  | -15 |
|  | Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. <br> Exactly one of the four numbers has to be one of these numbers: |  |  |  |  |  |
| -24 | Exactly one of the four numbers has to be one of these numbers: 22.4, 24.1, or 18.7. |  |  |  |  | +3 |
| -26 |  |  |  |  |  | +23 |
| +78 |  |  |  |  |  | -8 |
| -7 |  |  |  |  |  | +56 |
|  | -79 | +37 | -32 | +12 | -17 |  |

Name:

The Ames Nursery sold
527 houseplants in
March, 831 in May, and 1702 in June. How many houseplants were sold in all?
$35,42,49, \ldots, 63$,
70, 77

Gavin planted a garden last summer. He grew beans, carrots, cabbage, tomatoes, and lettuce. His garden was 18 feet long and 19 feet wide. What was the perimeter of the garden?

$$
11 \div \frac{1}{5}
$$

## For the summer

program 120 children came to the park. They were divided into 5 groups. How many children were in each group?

Round 9,408 to the nearest thousand.

Grandma Jefferson bought 7 journals for her memoirs. There are 595 pages in the journals in all. Each journal has an equal number of pages. How many pages are in each journal?

How many meters are there in 65 kilometers?

## $7 \times 12+8 \times 8$

Our class bought balloons for the first grade students on Mirth Day. We bought 13 red balloons, 12 green balloons, 10 blue balloons, and 9 yellow balloons. How many balloons did we buy in all?

What is the area of a rectangle with sides 4 cm and 12 cm ?

Name:
Jack is between a rock and a hard place. His car gets 19 miles to the gallon. He has about 5 gallons left in the tank. How much more gas does he need to drive the remaining 185 miles home?
C, I, E, J, $\qquad$ $K, I$, L, K, M

Eight students worked a total of 20.3 hours selling tickets to the Guy Fawkes Day exhibit. What was the average amount of time (in hours and minutes) worked by each student?

Write $\frac{12}{20}$ in lowest terms.

Hannah made 10 cherry pies for the school Pie Day sale.
Nine of the pies were sold. What fraction of the cherry pies were sold? Write the fraction in simplest form.

Estimate quickly the difference.
6,580-1,810

When Max had a cold, he drank 3 glasses of juice each day. Each glass contained 350 milliliters. Robert drank 1 liter of juice each day. How much more juice did Max drink than Robert?
$28+n=40$

Maria is a server at Michelle's. On Monday she worked 4.5 hours. On the other four days of the week she worked 4.7, 5.4, 6.3, and 6 hours. How many hours did she work in all?

How many minutes is it from 8:00 a.m. to 10:20 a.m.?

## Anna and Ava made

 packages of shampoo, soap, and combs. They had 108 bottles of shampoo, 105 bars of soap, and 100 combs. What is the greatest number of identical packages they could make without any items left over?The radius of a circle is 480 cm . What is the diameter of this circle?
$\square$
Name:
$9+\frac{2}{3}+\frac{1}{10}=$

$4-\frac{7}{10}+\frac{1}{9}=$

Find the least common denominator.
$1 \frac{1}{2} \times 1 \frac{6}{9}=$
$\frac{3}{5}$ and $\frac{2}{6}$
$11+\frac{3}{4}-\frac{2}{3}=$

## Write the reciprocal. 11



Write the reciprocal.
$\frac{6}{8}$


Name:
Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

| imagine 4 in your <br> head <br> multiply 3 <br> double it | imagine 2 in your <br> head <br> multiply 5 <br> double it <br> add 8 <br> subtract 6 <br> add 7 |
| :--- | :--- |
| Add the tens digit to <br> the ones digit. <br> Write the sum. | Write the tens digit. |

imagine 8 in your
head
double it
subtract 8
subtract 5
Write the number.
$\frac{C}{C}$
imagine 2 in your
head
multiply 4
double it
subtract 9
Write the number.
$\frac{D}{}$

What is the sum?

$$
A+B+C+D
$$

## Wow! Great job! That's the answer, but do you know how to SPELL the number?



| 4 before $16 \_$ | 2 after 15 | 9 after 14 |
| :--- | :--- | :--- |
| 8 before 19 | 1 after 12 | 6 after 11 |
| 1 before 15 | 4 after 13 | 7 after 19 |

$\square$
Name: $\qquad$

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

$$
7 \frac{1}{2}+2 \frac{1}{3}+9+5 \frac{1}{2} \quad 9+5 \frac{1}{2}+2 \frac{1}{3}+7 \frac{1}{2}
$$



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: $3 \frac{2}{3}, 8 \frac{1}{6}$, or $5 \frac{1}{2}$. The other three numbers have to all be DIFFERENT and must be from these: $7 \frac{1}{2}, 9,10$, or $2 \frac{1}{3}$.

$\square$

Name: $\qquad$
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.
Exactly one of the four numbers has to be one of these numbers: $1 \frac{1}{2}, 4 \frac{3}{5}$, or $5 \frac{1}{3}$.
The other three numbers have to all be DIFFERENT and must be from these: $7,3 \frac{1}{2}, 7 \frac{1}{2}$, or 12 .


Name: $\qquad$

| + |  |  | 59 |  | 44 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | $11+$ | $11+$ | $\underline{11}+59$ | $11+$ | $\begin{gathered} 55 \\ 11+44 \\ \hline \end{gathered}$ |
| 45 | $\begin{array}{r} 75 \\ 45+ \end{array}$ | $\begin{array}{r} 90 \\ \underline{45}+ \end{array}$ | $\begin{gathered} 104 \\ \underline{45}+\underline{59} \end{gathered}$ | $\begin{gathered} 124 \\ \underline{45}+ \end{gathered}$ | $\underline{45}+\underline{44}$ |
|  | + | _+ | $\begin{gathered} 88 \\ ++59 \\ \hline \end{gathered}$ | $]^{+}$ | $\begin{gathered} 73 \\ \ldots+44 \\ \hline \end{gathered}$ |
|  | $97$ | + | $\ldots+59$ | - ${ }^{+}$ | $\ldots+44$ |
|  | $65$ | $\underline{+}$ | $\underline{+59}$ |  | $\ldots+\underline{44}$ |

The circus is in town! Tickets are only $\$ 7$ for kids. Adults need to pay double the price of kids tickets. Ava is bringing five of her friends in her class. Her mom is also coming. Ava wants to pay for everyone. How much will she need to pay?
$1 \mathrm{~cm}=10 \mathrm{~mm}$
$26 \mathrm{~cm}=\ldots \mathrm{mm}$
$108 \div 12=$

What time is 17 hours after 2:00 a.m.?

$\square$
Name: $\qquad$
Ready to make equations? There is a missing equation in each box.
Circle the numbers once you find it!


Find a subtraction fact.


Find a subtraction fact.


Find a subtraction fact.

Equations:
Write the equation facts you found.

|  | - | = | 27 |
| :---: | :---: | :---: | :---: |
| 63 | - | = |  |
|  | - | = | 35 |


$\square$
Name: $\qquad$
Fill in the blanks by adding the two numbers below each hexagon.







Name:

Erin and her mother bought a rug for her new room. The rug is yellow and blue with a picture of the Queen of Hearts playing croquet on it. The perimeter of the rug is 448.34 cm . The length is 126.74 cm . What is the width of the rug?

The paper products company is replanting trees in a section that has been clear-cut. The company needs to know the area of the section. It is 835 yards long and 823 yards wide. What is its area?

Which two of the fractions have a difference of $\frac{1}{3}$ ?
$\frac{2}{3}$
$\frac{9}{10}$
$\frac{2}{12}$
$\frac{3}{4}$
$\frac{2}{4}$
"I can quickly divide a three-digit number by a two-digit number," Anne tells Jacob.
"Yeah, sure," replies Jacob. "Then what is 576 divided by 32?"
Anne has a trick. She will distract Jacob while you figure it out. Show your work!

Name: $\qquad$
$\square$

Get a fidget spinner! Spin it.
What is the sum of 8 and
47 ?

Connor bought 6 dozen cupcakes for a party. How many cupcakes did he buy?


Round 165 to the nearest ten.

I needed to spin $\qquad$ time(s) to finish.
$(8-4) \times 2$
$13,15, \ldots, 19,21,23$,
25, 27, 29

How many minutes are there from 2:30 p.m. until 2:45 p.m.?

How much greater is 178 than 49?

$$
45 \div 9=
$$

He worked 4 hours. How much did he make?

Name: $\qquad$

Get a fidget spinner! Spin it.
I needed to spin $\qquad$ times) to finish.
triple $42=$

$$
32 \div \ldots=8
$$

B, E, $\qquad$ $K, N, Q$,

T, W, Z
$55 \div 5=11$

Round 858 to the nearest hundred.

How many tens are in the number 20?
$11 \div \frac{1}{8}$
$12 \times 9-11$

What is the area of a rectangle with sides 5 cm and 12 cm ?

What 4 coins add up to 37 cents?

Round the decimal 0.575 to the nearest hundredth.

How many meters are there in 18 kilometers?

A toy car can go 4 mph. How long would it take to go 9 miles?

How many centimeters in 2.4 meters?

Name: $\qquad$

Spin again.
A book has 4 pages. Each page has 12 dimes. How many dimes in the book?

How many hundreds are in the number 1,200 ?

I needed to spin $\qquad$ time (s) to finish.
Write the number that is
one hundred more than
2,868 .
Is 750 closer to 700 or $800 ?$
$26+n=45$
Estimate quickly the difference.
6,660-1,380

How much time is it from 6:00 a.m. to 11:50 arm.?

Name: $\qquad$
The block below is the sum of the two blocks above. Fill in the missing blocks.


Name:
Complete each pattern, using the same rule. Write what the rule is.

180, 161, 142, 123, 104, 85, 66, 210, 191, 172, 153, 134, $\qquad$ , 96, 77, $\qquad$

Complete each pattern, using the same rule. Write what the rule is.

9, 90, 97, 970, 977, 9770,
2, 20, 27, 270, 277, 2770, 2777,
$3, \ldots, \longrightarrow 377$

Name: $\qquad$


Write your own math problem here.

Ask the person who helped you to try to solve your problem.

Name: $\qquad$
Approximately how many fewer books has Dr. Seuss written than Agatha Christie, expressed as a fraction? An exact answer is not needed.

Theodor Geisel, better known as Dr. Seuss, wrote at least 43 books. He has sold an estimated 500 million copies of his books. Agatha Christie, who wrote mystery novels, has written 85 books that have sold approximately 4 billion copies.
For example: Pam wrote 80 books this year. Jacob only wrote 9 books. Jacob wrote about $9 / 80$ as many books. That's about one-tenth or $1 / 10$.

Let's assume that Agatha Christie's books average 200 pages each and that Dr. Seuss's books average 30 pages each. How many more pages did Agatha Christie write than Dr. Seuss?
$\square$
Name:
Cross off the number that does NOT belong.

$$
\text { 100, 105, 110, 115, 118, 120, 125, } 130
$$

$\qquad$ not belong in the pattern?

Cross off the number that does NOT belong.

$$
\begin{aligned}
& \frac{5}{25}, \frac{10}{25} \cdot \frac{15}{25}, \frac{20}{25}, 1,1 \frac{5}{25}, 1 \frac{10}{25}, 1 \frac{14}{25}, 1 \frac{15}{25}, \\
& 1 \frac{20}{25}, 2,2 \frac{5}{25}, 2 \frac{10}{25}, 2 \frac{15}{25}, 2 \frac{20}{25}, 3,3 \frac{5}{25}, 3 \frac{10}{25}
\end{aligned}
$$

Why does $\qquad$ not belong in the pattern?

## Name:

In 2001, Barry Bonds made baseball history by hitting 73 home runs in a single season. He is Jacob's hero. Jacob plays on his high school baseball team. Jacob has hit 13 home runs so far this year. How many more home runs does he have to hit to reach Bonds' record?

After the National Hugging Day party was over, the parents told the students how much they enjoyed the party and how impressed they were with the projects. The parents had brought ten pencils for each student to show how much they appreciated them. There are twenty-three students in the class. How many pencils did the parents bring?

How many meters are there in 117 kilometers?

How much money is 1 quarter, 1 dime, 1 nickel, and 3 pennies?

## $3+4 \times 9 \times 10$

As of 1997, Hoo Sateow of Chang Mai, Thailand, had the world's longest hair. At that time his hair was 203 inches long. Write the length of his hair in feet and inches.

Jack picked pecans for 5 days. He picked a number of pecans equal to the largest 4 digit number that can be written with a 3 in the hundreds place and no digit used more than once. How many pecans did he pick?
$5 \div \frac{1}{9}$

The radius of a circle is 634 cm . What is the diameter of this circle?

Jenna had twenty-one safety pins in her sewing kit after she used some to make a flag pin. If she had nine left in her sewing kit, how many safety pins did she use to make the flag pin? Write an equation.

Write the missing family fact.
$68 \div 17=4$
$68 \div 4=17$
$4 \times 17=68$

## Name:

$\qquad$
Grace's family couldn't decide where to go for spring break. Grace wanted to go to Orlando, Florida. Her brother Max wanted to visit Atlantis in the Bahamas. Hunter, her other brother, for some reason, wanted to go to Hawaii.
The family decided to go where they go every year, which is to visit their grandparents in Canada. Grace loves visiting her grandparents. And she likes that she feels rich in Canada because whenever she brings United States coins, for some reason, she gets more in Canadian coins.
"Don't be silly," said Max to his sister. "Remember a few years ago the Canadian dollar was worth more? We LOST money in Canada!"
This year Grace brought coins with her. She had a total of $\$ 1.80$ in United States coins, consisting of a total of 13 coins. She didn't bother bringing pennies as Canada doesn't have a penny. Canada has six types of coins: 5¢, 10₫, 25¢, 50¢, \$1, and \$2. When she went to Canada, she exchanged her U.S. coins for Canadian.
"Will I get more or less Canadian money?" she asked the exchange person. "We will give you $\$ 1.10$ in Canadian for each $\$ 1$ in U.S. money you give us."

What coins from the United States did Grace start with?

How much Canadian money will the exchange rate worker give Grace?

Name: $\qquad$
Fill in the missing numbers.
Only rule - The same number CAN NOT be next to each other, in ANY direction.
Dark lines surround a block. Numbers to use in a block:
A block with 1 space has to be the number 1 .
A block with 2 spaces must have the numbers 1 and 2 .
A block with 3 spaces must have the numbers 1,2 , and 3 .
A block with 4 spaces must have the numbers 1, 2, 3, and 4 .


An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

$$
3412
$$

| 4 | 3 | 1 |  |
| :--- | :--- | :--- | :--- |
| 1 |  | 4 | 3 |
| 4 | 3 | 1 |  |
| 1 | 2 | 4 |  |

Hint - These numbers are missing:

$$
\begin{array}{llll}
3 & 2 & 2 & 2
\end{array}
$$


$3+6=$ $\square$ $8+7=$ $\square$ $2+4=\square$ $3+3=$

$\square$
$\square$

## Name:

$\qquad$
Fill in the missing numbers.
Only rule - The same number CAN NOT be next to each other, in ANY direction.


Hint - These numbers are missing:

$$
\begin{array}{llllll}
4 & 4 & 1 & 2 & 4 & 3
\end{array}
$$



Hint - These numbers are missing:

## $\begin{array}{llllllll}2 & 3 & 3 & 2 & 1 & 3 & 2 & 3\end{array}$



Hint - These numbers are missing:

$$
\begin{array}{llllll}
1 & 1 & 2 & 4 & 3 & 1
\end{array}
$$



Hint - These numbers are missing:

$$
\begin{array}{llllllll}
4 & 2 & 3 & 3 & 2 & 1 & 3 & 2
\end{array}
$$

Double four.

$$
55-\ldots=45
$$

$$
21-\ldots=16
$$

Name:
Draw a line to match each problem with the same answer.

| $22 \times 48=$ | - $34 \times 14=$ | $18 \times 50=$ | - $18 \times 24=$ |
| :---: | :---: | :---: | :---: |
| $11 \times 42=$ | $48 \times 21=$ | $30 \times 30=$ | - $16 \times 27=$ |
| $14 \times 33=$ | - $44 \times 24=$ | $12 \times 42=$ | - $38 \times 18=$ |
| $20 \times 26=$ | - $28 \times 28=$ | $45 \times 12=$ | - $49 \times 30=$ |
| $24 \times 42=$ | $13 \times 40=$ | $36 \times 19=$ | - $24 \times 21=$ |
| $28 \times 17=$ | - $16 \times 49=$ | $35 \times 42=$ | - $36 \times 15=$ |

Sketch an acute angle named $\angle C D E$.

Sketch a right angle named $\angle A B C$.

Sketch an obtuse angle named $\angle C D E$.
$24 \div 8=$

You have a playdate in 300 minutes. How many hours is that?

Name: $\qquad$


Perimeter $=\square$

$\square$
Name:
Gavin was having so much fun making cupcakes for his class. He made $2 \frac{3}{6}$ dozen of them! But there are only 21 kids in his class. Luckily everyone ate one cupcake except for Amy. How many cupcakes are left over?

Bob, the donut guy, is working on a new type of donut called the 1.5 -ounce sugar mini donut. Each donut weighs precisely 1.5 ounces. About $\frac{1}{10}$ of the donut consists of milk, yeast, flour, and eggs. The rest of the donut is sugar. Yum! How many ounces of sugar is needed for each donut?

Name:


1 is what \% of 10 ?

$16+\frac{2}{7}+\frac{1}{9}=$
Reduce $\frac{5}{15}$ to its lowest terms.

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

Sketch 2 lines $\overleftrightarrow{F G}$ and $\overleftrightarrow{V W}$ that are parallel.

What kind of angle is this?


What is the least common multiple of 7 and 4 ?

Name: $\qquad$

What is $50 \%$ of 390 ? quarter, 1 dime, 1 nickel, and

## Draw a number line

 with $0, \frac{1}{2}$, and 1 . Show where $\frac{3}{9}$ would go. Is $\frac{3}{9}$ closer to $0, \frac{1}{2}$, or 1 ?The radius of a circle is 664 cm . What is the diameter of this circle?

How much time is it from 8:00 am. to 10:50 arm.?

Round 61,716 to the nearest hundred.

How much money is 1 6 pennies?

Estimate quickly the difference.
7,810-1,090
$45,50,55$, $\qquad$ 65,

70

110 divided by 11 equals

How many centimeters in 1.5 meters?

What is $50 \%$ of 1,102 ?

$$
9 \div \frac{1}{6}
$$

$$
4+0
$$


$29+n=47$

110 divided by 11 equals $6+9-2$

Round 16,405 to the nearest thousand.

Name:

| Hunter had 78₫ to buy chocolate ice cream. Adam gave him 50థ more. Hunter spent 90థ for a chocolate cone. How much money does he have left? Write an expression to find the amount of money he has left. Solve it. | Jessica made a poster for Eye Safety Day. She divided the poster into four parts. One part was blue. One part was red. One part was green. One part was yellow. She put an equal number of pictures in each part. She used 20 pictures. How many were in each part? | David needs 20 inches of ribbon for each package he wraps. He has 15 packages to wrap. How much ribbon does he need? (Write your answer in feet and inches.) |
| :---: | :---: | :---: |


| Anna bought a book <br> about roses for her <br> teacher for Teacher <br> Appreciation Week. The <br> book cost \$7.48. The <br> clerk added 4\% for tax. <br> What was the total cost <br> of the book? | On Wear Your Pajamas <br> to Work Day, 172 people <br> in Ms. Brown's office <br> building wore their <br> pajamas. The building <br> has 9 floors. About how <br> many people on each <br> floor wore their <br> pajamas? | There are 257 pages in <br> Justin's book about <br> Leonardo Da Vinci. If <br> he reads 8 pages each <br> day, how long will it take <br> him to finish the book? |
| :--- | :--- | :--- |
|  |  |  |




