David and Kevin are using a cube labeled 1, 2, 3, 4, 5, and 6 to decide which event to attend at the World Eskimo-Indian Olympics today. If they roll a number less than 3, they will go to Drop the Bomb. If they roll 3 , they will go to the Knuckle Hop. If they roll a number greater than 3 , they will go to the Muktuk Eating Contest. Tell whether it is likely, unlikely, or equally likely that they will go to the Knuckle Hop.

Jason built a bookcase for his new room. He had collected many books about Australia and needed more shelves for them. He used two pieces of wood each 4 feet 2 inches long for the sides and four pieces of wood each 2 feet 6 inches long for the shelves. What was the total length of the wood he used?
$12 \div \frac{1}{6}$

Max was bored. He decided to help his father rake leaves. They raked 10 bags of leaves in 2 hours. At that rate, how many bags of leaves could they rake in 5 hours?

How much money is 1 quarter, 1 dime, 5 nickels, and 1 penny?

Mrs. Young made cookies for National Kids Day. She served 200 milliliter cups of milk to her students. There are 23 students in her class. If each one drank one cup of milk, how many liters of milk were drunk?

It was 7 degrees below zero in the morning. By afternoon the temperature rose 26 degrees. How warm was it?

Maria made a poster for National Honesty Day. The poster was 20 inches by 18 inches. She used $\frac{1}{8}$ of the area of the poster for her title. How many square inches did she use for her title?

## Insert a comma in the appropriate

 place in this sentence.I have never cheated on a test or a quiz nor will I ever do so.

Name:
\(\left.$$
\begin{array}{|l|l|l|}\hline \begin{array}{l}\text { Connor decided to } \\
\text { write a letter to his } \\
\text { favorite uncle on Blah } \\
\text { Buster Day. He wrote } \\
\text { the letter on his } \\
\text { computer and printed it } \\
\text { on bright blue paper. It } \\
\text { took him 39 minutes to } \\
\text { write the letter. If he } \\
\text { started writing it at 10:37 } \\
\text { a.m., what time did he } \\
\text { finish the letter? }\end{array} & \begin{array}{l}\text { When Max got married } \\
\text { he was 24 years old. His } \\
\text { sister was a third his age } \\
\text { plus 4 years. Their } \\
\text { father was twice Max's } \\
\text { age plus 5 years. Max's } \\
\text { father was how many } \\
\text { years older than his } \\
\text { sister when he got } \\
\text { married? }\end{array} & \begin{array}{l}\text { Sarah used masking tape to } \\
\text { mark the edges of the }\end{array}
$$ <br>
game area. She used 3 <br>
rectangles to make the <br>
shape of an "H." 2 of the <br>
rectangles were 5 feet long <br>
and 2 feet wide. The other <br>
rectangle's area was \frac{1}{2} <br>

the area of one of the\end{array}\right\}\)| larger tables. If the length |
| :--- |
| of the smaller table is also 5 |
| feet, what is its width? |

Hannah bought some candy. It tasted just like black cow root beer floats! She had 60 pieces of candy. She gave 5 pieces of candy to each of 3 friends. She gave $\frac{2}{5}$ of the rest of the candy to her sister. How many pieces of candy did she have left?

Emily and Holly are sisters. They saved their money and bought a cockatiel for $\$ 44$. The cage cost \$27.93. The perches, bird toys, and food and water dishes cost $\$ 15.43$. The food for the cockatiel cost $\$ 2.55$. How much money did they spend in all?

Each of the first grade students in Mason City wrote three letters to Santa Claus. There are 17 students in each class and 29 first grade classes in Mason City. How many first grade students wrote letters to Santa Claus?
$\qquad$



Name:



Name: $\qquad$




$$
\begin{array}{lll}
12 \times 9= & 12 \times 2= & 10 \times 3= \\
9 \times 11= & 8 \times 3= & 3 \times 9= \\
3 \times 5= & 9 \times 4= & 8 \times 11= \\
9 \times 10= & 12 \times 10= & 11 \times 12=
\end{array}
$$

Name:
The length of the gingerbread house is 3 cm more than 2 times the width. What is the perimeter of the house if the width is 30 cm ?

Mrs. Rodriguez went to work for the shirt factory on May 23, 1885. She earned fourteen cents per hour. If she worked twelve hours per day, how much money would she earn in a week (six days)?

Justin lined up 10-inch long blocks next to each other. He had 28 of these blocks. Now Billy wants to make the same length but use 14-inch blocks. How many 14-inch blocks will he need to use?

Wendy has 85 cents. What fraction of a dollar is that? Be sure to simplify the fraction.

Name:

$12 \times 7 \times 2$
$7+96 \div 12$
$4 \frac{4}{6}+9 \frac{2}{6}$

Round the decimal 0.755 to the nearest hundredth.

Round 18,505 to the nearest thousand.

Yummy Donuts gave three dozen chocolate donuts and five dozen jelly donuts to the school. How many donuts did they give?

$5,50,54,540,544$, 5444, __, _-

How many minutes is it from 8:00 a.m. to 10:15 a.m.?

35 divided by 5 equals

What is $50 \%$ of $212 ?$

Know how many inches in a foot? Okay, smarty pants, how many inches in 6 feet?

Name:
Cross off the number that does NOT belong.
(10,319,560,704), (859,963,392), (71,663,616),
(30,808,816), ( $5,971,968$ ), ( 497,664 ), ( 41,472 ),
$(3,456),(288),(24)$

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

Cross off the number that does NOT belong.

$$
42,47,53,60,68,77,87,94,98,110,123
$$

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

The number of peanuts $(p)$ in a can of mixed nuts multiplied by 4 is equal to the total number of nuts in the can. Write an equation and use it to find out how many nuts are in a can that has 34 peanuts in it.

Mrs. Moore bought 2.5 pounds of green beans for dinner. The beans cost $\$ 1.24$. How much would 7.5 pounds of green beans cost?

On Wear Your Pajamas to Work Day, all $\frac{1}{2}$ of them wore red and white pajamas, and the rest of the office workers wore other colors. How many of the office workers wore other colors?

$190 \div 10=19$


What is the meaning of the underlined phrase in the following sentence?
Dad asked me to keep my eyes peeled for his car keys because he lost them.

Name: $\qquad$


Name:


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:


Finish the line:


What can you multiply by 10 to get 6 ?

What time is 13 hours after 2:00 a.m.?

Write this as a number in standard form. Use a comma in your number.
one hundred ninety-three thousand, nine hundred sixty

Name:
$2 \cdot 8 \cdot 4 \cdot x \cdot 0 \cdot 1$ • = 8 • = • 0 • $3 \cdot 2$
Use the pieces above to help you fill in the runaway math puzzle.


| Can 836 be evenly divided by 11 ? Circle: <br> 836 is evenly divisible by 11 <br> 836 is NOT evenly divisible by 11 | Anna is getting messy. She has made a <br> $3^{\prime} \times 1^{\prime} \times 2^{\prime}$ cube made out of clay blocks. <br> She wants her art project to have at <br> least a surface area of 30 square feet. <br> Does she need to add more clay? |
| :--- | :--- | :--- | :--- |
| Write a letter that has a line <br> of symmetry. | $44 \div 4=$ |

Name:
What is the least common
multiple of 10 and 12 ?
$35-n=27$


What is the least common multiple of 5 and 9 ?


What is the greatest common factor of 12,15 , and 18 ?

What is the greatest common factor of 6 and 14?
$8-n=3$

95
$\begin{array}{r}+383 \\ \hline\end{array}$


Name:

Justin, Erin, and Alex are playing a game together. They first each entered their age. The game replied: "I added all of your ages together. The sum is 35 . Do you know what the sum of your ages will be 4 years from now?"

Sara's stopwatch says she has been running for 15 minutes and 15 seconds. If the time is 4:49 p.m. and she is trying to run for 32 minutes without stopping, what time will it be when she could stop?

Fabulous Cupcakes offers 2 free cupcakes for every 10 purchased. Each cupcake costs $\$ 4$. If you need at least 21 cupcakes for a party, then how much will you pay?

Jason made his own coin. On one side, he colored it blue. On the other side, he colored it yellow. Let's assume his coin is fair. Each time he tosses it, there is a 50/50 chance of either color. If he tosses his coin two times, what is the chance that either one of the tosses will be yellow and his other toss will be blue?

Name: $\qquad$
Can you figure out the value of the letter?

| $h+15=17$ |
| :--- |
| subtract 15 from each side |
| $h+15-15=17-15$ |
| $h$ |
|  |
| h $=2$ |
| Double check: $2+15=17$ |

$9+9=17$
$9=\ldots$
Double check: ___ $+9=17$
$k-5=5$
$k=\ldots$
Double check: ___ $-5=5$
$3 d=12$
$d=\ldots$
Double check: $3 \_=12$

$$
\begin{aligned}
& w-2=10 \\
& w=
\end{aligned}
$$

Double check: $\qquad$ $-2=10$

$$
\begin{aligned}
& a-5=11 \\
& a=
\end{aligned}
$$

Double check: ___ - $5=11$

$$
\begin{aligned}
& 5 b=35 \\
& b=
\end{aligned}
$$

Double check: 5___ $=35$

$$
\begin{aligned}
& k+12=18 \\
& k=\ldots \\
& \text { Double check:___ }+12=18
\end{aligned}
$$

Name: $\qquad$
Match the best estimate for each number.

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

| 4000 | $\bullet 4000$ |
| :--- | :---: |
| 5,979 | $\bullet 4,026$ |
| 3000 |  |
|  |  |

What is the value of the 7 in 34.57 ?

0.62 is equal to
$\frac{6}{1}+\frac{2}{10}$
$\frac{6}{100}+\frac{2}{1000}$
$\frac{6}{10}+\frac{2}{100}$
$\frac{2}{10}+\frac{6}{100}$
four hundred eighteen thousand, fifty-two

$4,180,520$

Skill: Whole Numbers
Write the numbers in order from least to greatest.
$82,691,43,355,71,814$

Rewrite the numbers in order from smallest to largest.

Name: $\qquad$
I am a 3-digit number greater than 800. My first and last digits are the same. Write any number that fits this.

The number 28500 is the smallest whole number that when rounded to the nearest
$\qquad$ will be 29000.

The product of three consecutive numbers is 210 . What are the numbers?

Name: $\qquad$

$$
\begin{aligned}
& 1 \cdot 0 \cdot 1 \cdot 9 \cdot 0 \cdot 5 \cdot 1 \cdot 2 \cdot 1 \cdot 8 \cdot 6 \cdot 6 \cdot 1 \cdot 2 \cdot 0 \cdot 2 \cdot 5 \\
& 3 \cdot 3 \cdot 6 \cdot 2
\end{aligned}
$$

Use the pieces above to help you fill in the runaway math puzzle.


What is the least common multiple of 6 and 7 ?

Round the decimal 0.535 to the nearest hundredth.
$n-7=27$
What is the greatest common factor of 6,18 , and 33 ?

Round 84,476 to the nearest hundred.

Name: $\qquad$
Find 2 equations hidden in each box. Good luck!

$$
7-4
$$

$$
9-8 \quad 5-3
$$

$$
9-2
$$

$$
9-1
$$

15

Write 2 equations:

| $9 \times 3$ | 30 | 25 |  | $2 \times 8$ |
| :---: | :---: | :---: | :---: | :---: |
| $6 \times 3$ |  | 3 | 20 |  |
| $1 \times 0$ | $2 \times 1$ | $4 \times 1$ | 4 |  |
| 42 | 24 | $3 \times 5$ | 45 |  |

Write 2 equations:

10437
$8371+2_{9311}^{2066}$
$10244 \quad 6815+8286$
9543
8653
$81754256^{+1920}$
10300
8957
8014
$8721+2609$

Name:


Equations and Hints:
Each letter is a whole number.
Fill in the equations using the chart:

$$
A+C+B=39 \quad C+\ldots+B=50 \quad C^{+}++\ldots=72
$$

$$
-_{+}^{++}=50 \quad Z^{+}+{ }_{-}^{+}=61
$$

Additional hints:

$$
C>20 \quad C=A+22
$$

Show Work:
? =



