Name:
Write each as a decimal.

## $19 \%$ as a decimal is

$$
5 \frac{7}{10} \text { as a decimal is }
$$

## 66.3\% as a decimal is

## 9 thousandths as a decimal is


$84,324-33,858=\ldots$

How many ounces are in 7 pounds?
$84,324-33,858=$ $\qquad$

Name:
Pick the correct answer using brain power. No writing.

## $0.4 \times 0.4$ is what? 0.16 or 16 or 1.6

## $0.19 \times 0.5$ is what? 95 or 0.095 or 0.00095

## $0.06 \times 0.6$ is what? 0.000036 or 0.00036 or 0.036

## $1.6 \times 0.2$ is what? 0.32 or 3.2 or 0.00032

How much time is it from 8:00 a.m. to 11:45 a.m.?

How many meters are there in 50 kilometers?

Round 62,358 to the nearest hundred.

K, N, J, ____ I, L, H, K, G, J

$$
10 \div \frac{1}{4}
$$

Wendy rolls a die. What is the chance of her rolling a 1 ?

Name:


Write the reciprocal.
$\frac{2}{9}$
$100 \times 4.26=$
3.16
$-2.17$

Rewrite as a vertical equation and solve. $14.5-7.176=$

Convert to a fraction or mixed number and simplify.

Change $\frac{2}{5}$ to a decimal.

Name:


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:

$13 \%$ of 100 is 13.
$13 \%$ of 200 is 26 .
$13 \%$ of 500 is 65 .
What is $13 \%$ of $800 ?$
$23 \mathrm{~kg}=$ $\qquad$ g
$72 \div 6=$

Name:

The number 4774 is a palindrome. Any number which reads the same in both directions is a palindrome number.

Hannah is thinking of a palindrome number. The number is less than 90,000 .
The digits, 891 , are a part of the number in this exact order.
The number has 5 digits.
The sum of the first three digits in the number is 18.
The number is greater than 80,000. What is her number?

Can 662 be evenly divided by 9 ? Circle: 662 is evenly divisible by 9 662 is NOT evenly divisible by 9


The boys in your class each were given a ticket with a number on it. The numbers given out were: 21, 36, 30, 31, 19, 7, 6, 28, and 17. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 3 ?


| $8 \div 3=\ldots$ | Four-sixths of the children in <br> Johnson's class want to go outside. <br> If Johnson agrees with the <br> majority, will the class stay inside <br> or go outside? |
| :--- | :--- |


| $6 \times 12=\ldots$ | In the number 2,350,912,355, the digit 0 is in <br> what place? |
| :--- | :--- |
| $4 \times 5=\ldots$ | You cannot decide what pizza store to go <br> to. Emily's pizza cuts their pizza into 5 slices. <br> Each slice costs $\$ 3$ each. Jessica's pizza <br> cuts their pizza into 6 slices. Each slice <br> costs $\$ 3$ each. If you like each pizza the <br> same, which pizza store has the better buy? |

Name: $\qquad$
$2 \cdot 2 \cdot 0 \bullet \div \cdot 5 \cdot 5 \bullet 2 \bullet 5 \bullet 2 \bullet 8 \bullet \div \bullet 7 \bullet=\bullet 4 \bullet 0 \bullet x$
0 • = • 7 • 1
Use the pieces above to help you fill in the runaway math puzzle.


| $56 \div 7=\ldots$ | $10 \times 3=\square$ |
| :--- | :--- |
|  |  |
| $4 \times 10=\square$ |  |

Write this as a number in standard form. Use a comma in your number.
four hundred forty-six thousand, six hundred seventy-three

Name: $\qquad$
Draw a line from START to END.

Cross out the number you use above and then write it below.



$$
55 \div 5=\quad 90 \div 10=
$$

$$
60 \div 10=\quad 54 \div 6=
$$

$$
144 \div 12=\quad 54 \div 9=
$$

$$
18 \div 9=\quad 70 \div 7=
$$

$2 \longdiv { 1 6 }$
$3 \longdiv { 2 4 }$
$9 \longdiv { 2 7 }$
$1 1 \longdiv { 1 1 0 }$
$3 \longdiv { 3 6 }$
$5 \longdiv { 1 0 }$
$1 2 \longdiv { 1 3 2 }$
$1 1 \longdiv { 1 3 2 }$

$12 \div-=3$
$\ldots \div 7=3$
$\ldots \div 6=7$
$48 \div \ldots=6$
$18 \div \ldots=2$
$\ldots \div 5=7$

$$
64 \div \_=8 \quad \_\div 8=7 \quad \_\div 3=6
$$

$24 \div \ldots=6$
$63 \div \ldots=9$
$\ldots \div 2=9$
$9 \longdiv { 1 8 }$
6 $\longdiv { 4 2 }$
$3 \longdiv { 1 8 }$
$2 \longdiv { 6 }$

Name:


Write as a decimal. $8 \frac{50}{100}$

Write as a decimal. $16 \frac{6}{10}$

Name:
What is the least common
multiple of 12 and 9 ?
$10+m=46$
$37-m=29$

What is the greatest common factor of 2 and 4 ?
multiple of 6 and 8 smaller, equal to, or greater than the greatest common factor of 6 and 8 ?
$x-12=16$
What is the value of $x$ ?

What is the least common multiple of 12 and 6 ?

What is the least common multiple of 12 and 15 ?

What is the least common multiple of 12 and 2?

What is the greatest common factor of 12, 36, and 20 ?

What is the least common multiple of 6 and 8 ?

What is the least common multiple of 8 and 14 ?

Name: $\qquad$
Use mental math to quickly solve.

$3 \longdiv { 2 . 1 }$
$2 \longdiv { 4 . 0 }$
$4 \longdiv { 4 . 4 }$

Name: $\qquad$
Write as a fraction in simplest form.

$$
\frac{1}{2}+\frac{3}{5}+\frac{3}{10}=
$$

$$
\frac{1}{3}+\frac{5}{6}+\frac{13}{15}=
$$

$$
\frac{1}{2}+\frac{2}{3}+\frac{5}{8}=
$$

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 900 mph . How far will it go in 10 minutes? Round your answer to the nearest mile.
$|-11|-p=3$
$p=$

In what quadrant would you find the point $(-7,16)$ ?

Name:

| Write the absolute value. |  |  |
| :--- | :--- | :--- |
| $\|-9\|$ | $\|1\|$ | $\|-2\|$ |
| $\|20\|$ | $\|-14\|$ | $\|27\|$ |
| $\|-342\|$ | $\|-278\|$ |  |

Complete each inequality using >, $=$, or <. $|-85| \bigcirc|51|$
|662|

$-826 \bigcirc|-392|$
|-752|

$1240 \mid \bigcirc 487$
|-895|

 $-361$

$$
\begin{aligned}
& x=|-51| \\
& y=|-45| \\
& x \longrightarrow y x \longrightarrow 2 y
\end{aligned}
$$

$x+9=$ $\qquad$

It was four degrees Celsius in the morning, but by evening the temperature dropped fourteen degrees. What was the temperature in the evening?

## Write the largest number.

-9, |721|, |601|, 8, |-554|, |-696|, -1, -543, -855, -2, |3|, |765|, |987|, |480|

## Write the smallest number.

|0|, |104|, 904, |193|, |711|, -353, |476|, |685|, 614, -765, |-940|, |-985|, 2, |4|

Write the largest number.
$|-5|,-872,|-582|,|-913|,-112,|-2|,|-7|, 823$,
|9|, 796, |185|, |-632|, |-539|, 888

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


## Equations:

Write the equation facts you found.


| $9,463+5,667=$ |  | $7 \times 9=$ |
| :---: | :---: | :---: |
| Rewrite these in increasing order of length: $432 \mathrm{~cm}, 397 \mathrm{~km}, 1 \mathrm{~mm}, 291 \mathrm{dm}, 88 \mathrm{~m}$ | Circle the digit in the 6,219.31 | e tenths place. |
|  | $4 \times 10=$ |  |

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 .

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

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

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



Hint - These numbers are missing:

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



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

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



Hint - These numbers are missing:

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

Name: $\qquad$
Fill in the missing numbers.


Hint - These numbers are missing:

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



Hint - These numbers are missing:

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



Hint - These numbers are missing:

```
24 3 2 3
4 1 3 4 4 3
```



Hint - These numbers are missing:

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

## Greater and Less Than Number Kissing

Start at a green number and draw a line to any red number that is less than the green number.
Draw a line that connects one number to one other number to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a number, that number cannot be used again.

One complete line has already been drawn for you.



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