| 75 | +5 | +18 | -76 | +6 | -1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name: |  |  |  |  |  | +16 |
| 81 |  |  |  |  | Challenge Math |  |
| +30 |  |  |  |  | Book 24 | -4 |
| -21 |  |  |  |  |  | +55 |
| +1 | 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: 18,26 , or 22. |  |  |  |  |  |
| +1 |  |  |  |  |  | -71 |
| +39 |  |  |  |  |  | -9 |
| -7 |  |  |  |  |  | +2 |
| +26 |  |  |  |  |  | +19 |
|  | +8 | -7 | +3 | -57 | +31 |  |

Name: $\qquad$

Get a fidget spinner! Spin it.
I needed to spin $\qquad$ time (s) to finish.
$60 \div 5=$

Name the shape with seven sides and seven angles.

How many total legs are on 10 dogs?

You have a playdate in 240 minutes. How many hours is that?

How much greater is 186 than 50? were 11, 12, 13 and 19. What is the range of these numbers?

What number is halfway between 0 and 8 ?

$$
(11+6)+8
$$

Jack earns $\$ 15$ an hour. He worked 4 hours. How much did he make?
Is 447 closer to 400 or $500 ?$

$9-6+3$

Name: $\qquad$

Spin again.


Adam bought 5 dozen cupcakes for a party. How many cupcakes did he buy?

Is 43 a composite or a prime number?

How many hundreds are in the number 220,000 ?


I needed to spin $\qquad$ time (s) to finish.
Which number is a 3-digit odd number?

Is 25 a composite or a prime number?
1
$7 x_{\ldots}=63=\ldots \times 21$
$9 x_{\ldots}=72=\ldots \times 3$
$5 x_{\ldots}=30=\ldots \times 2$
$10 x \ldots=70=\ldots \times 2$

Round 1855 to the nearest hundred.

$$
458+7 \equiv 12=\ldots \times 2
$$



There are 4 groups of 6 rocks. How many rocks?

What is the sum of 10 and 398?
$\square$
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.

|  | A | 34 | + | 30 | $=$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| B |  | + | 60 | $=$ |  |
|  |  |  | + |  | $=$ |
|  |  |  |  |  |  |
|  |  |  |  |  |  |



Name:
Use the numbers $9,4,5$, and 3 to complete each problem. You may not reuse any numbers until the next problem, so don't even try! Hint: The first two blanks are for the number 35 .

How many minutes are
there from 4:00 p.m. until
4:15 p.m.?

How many tens are in the number 86,000 ?
$12 \times 4=$
How many tens are in the number 60? 4:15 p.m.?

You need to add what to 49 to get 57?

The number 66 is more than the number 8 by how much?
$\square$
Name:
Pumpkins are on sale for $\$ 1.59$ per pound. Hunter bought a 3-pound pumpkin. Max bought a 5 -pound pumpkin. How much more did Max pay?

Which number has exactly 9 hundreds?

132
$84,100,116$,
52, $\qquad$ , 9 hundreds?


Double the number 9 three times.
$8-6+1$

At 2 p.m. today, Wendy will not be able to use her electronics for 3 hours. At what time will she be able to resume using her phone?

Anna has 26 nickels. How much money is that?
$\square$
Name:


How would you describe this pattern?
$40,411, \underline{41,411}, \underline{42,411}, \underline{43,411}, \underline{44,411}$

40,411, $41.411,42.411,43.411,44.411$


subtract one thousand
subtract ten thousand

## Skill: Whole Numbers and Place Value

It is morning. What time is it?


## Skill: Clocks and Time

Round 57,112 to the nearest thousand.


Name: $\qquad$


Jessica has \$46. She wants to buy something that costs $\$ 92$. How much more does she need?

12, 14, 16, $\qquad$ 20,

22, 24, 26, 28, 30

How many total legs are on 4 elephants and 5 ants?

Draw a small clock that shows 5 minutes past 11:00.

Write the least possible 4 -digit number using only 3 different numbers.

This number is one hundred more than 7,019.
$\square$
Name: $\qquad$
Mrs. McCormack was gathering all the supplies for her class's Valentine's Day party. The 23 kids in her class were so excited to celebrate by handing out cards and making crafts. The students had signed up to bring most of the goodies for the party, but Mrs. McCormack needed to purchase plates, napkins, and drinks. She counted the juice boxes, water bottles, and milk cartons. She decided to buy 3 six-packs of each beverage. If each of her students only choose one drink, how many drinks will be left over when the party is finished?

Show your work.

Name:
Which group of numbers is ordered from least to greatest?
A) $5.388,5.518,5.419,5.531$
B) $6.337,6.538,6.652,6.766$
C) $6.179,6.244,6.217,6.912$
D) $4.877,4.973,4.283,4.577$

## $32+23+6=$

A) 61
B) 11
C) 16

What number is four thousand less than 403,686?
A) 399686
B) 3686
C) 403286

How many ounces in 12 pounds?
A) 2304 ounces
B) 1536 ounces
C) 192 ounces
D) 64 ounces

Which of the following has the greatest value?
A) 223
B) 0.223
C) $A$ and $B$ are equal.

Name: $\qquad$
The kids in Miss Darling's class were doing everything they could think of for fun on a snow day. "I heard Jen is putting ice cubes down the toilet. Can you believe that? Oh, wait. I better do that also!" giggled Pam.
Principal Garcia hates snow days. He has to close the school if it snows 4 and $1 / 4$ inches or more. Who made up that silly amount? Who knows?
Sunday evening a winter weather advisory was issued, and it snowed 2 and $3 / 4$ inches. The snow did not melt, and before school opened, it snowed another 1 and $3 / 4$ inches. Should Principal Garcia cancel school?

Show your work.

Name:


What is 18 less than $1,999 ?$

What number is halfway between 44 and 50?
triple $20=$

Name: $\qquad$

Mrs. Ragnar's class is having a Valentine's Day Party. Each child must bring a valentine for every other child in the class. There are 28 children in the class.
Mason wanted to make sure that he would have enough valentines for everyone in the class even if he accidentally dropped two in someone's box by mistake, so he brought 32 cards to class. His valentines cost $\$ 0.68$ each. How much more did Mason spend on valentines than Mia, who brought the same cards as Mason, but only brought enough valentines for everyone else in the class?

A version of Black History Month was first celebrated in the United States in 1926. Canada first began to recognize February as Black History Month in 1979. The United Kingdom first celebrated Black History Month in 1987.
How many years ago was Black History Month first celebrated in the United States?

Ava and Liam are both enjoying Mardi Gras celebrations with their families in New Orleans. Ava is going to a total of three parades whose routes are, respectively, 3.2 miles, 4.8 miles, and 2.6 miles. Liam is going to four parades whose routes are, respectively, 3.2 miles, 2.1 miles, 1.4 miles, and 3.1 miles.
How many more miles of parade is Ava going to see than Liam?

Name: $\qquad$

Get a fidget spinner! Spin it.
I needed to spin $\qquad$ time (s) to finish.

5 more than 765

Emily has a bowl. She puts 3 quarters into the bowl. Eric sees the bowl and takes 2 quarters. How much money (in cents) is left in the bowl?
$4 \times 8$

Circle the number that is largest.
$60,600 \quad 60,060$
$60,006 \quad 66,000$

Rose has a bowl. She puts 21 pennies into the bowl. Nathan sees the bowl and takes some pennies out.
The bowl now has 15 cents in it. How many pennies did Nathan take?

14, 28, 42, $\qquad$ . 70,84 ,

98, 112

How many even numbers are there between 21 and 42?

3 thousands, 8 hundreds, 5 tens, 9 ones
$\square$
Name: $\qquad$
Holly is buying candy mixes for goodie bags. Each fun mix packet weighs 4 ounces. She purchased 4 pounds. How many packets did she buy?
(Hint: 1 pound = 16 ounces)

Use the following rule to complete the conversion: 4 quarts = 1 gallon.

$\square$
$\qquad$


Multiply the numbers by the number in the center.


Name:

Pam and Jenna each want to buy $\$ 114$ rugs for their rooms. Who will be able to buy it first?

Pam has $\$ 31$ saved. She earns $\$ 10$ each week and plans to save it all for the rug.

Jenna has $\$ 26$ saved. She earns $\$ 11$ each week and plans to save it all for the rug.

The grocery store sells 3 cases of Anna's Water for $\$ 18$. They also offer 5 cases of Cool Water for $\$ 30$. If you like both brands equally, then which brand of water is the better deal?

Wendy is playing a game against Megan. They have to find blocks and bring them back to their digital house. After ten minutes of play, the one with the most blocks wins. Who is currently winning?

Megan has between 27 and 35 blocks. When she puts her blocks into piles of 5 , there will be 3 blocks left over. When she puts her blocks into piles of 6 , there will be 4 blocks left over.

Wendy has between 27 and 35 blocks. When she puts her blocks into piles of 5 , there will be 4 blocks left over. When she puts her blocks into piles of 6 , there will be 4 blocks left over.

Which amount of time is longer?
470 minutes or 6 hours?

6 hours or 370 minutes?

8 minutes or 200 seconds?

```
1 hour =
```

$\qquad$

``` minutes
```

1 minute $=$ $\qquad$ seconds
$\square$
Name:
Cross off the letter or number that does NOT belong.

$$
\text { P, 7, P, 7, P, 7, 7, P, 7, P, 7, P, } 7
$$

$\qquad$ not belong in the pattern?

Cross off the number that does NOT belong.

$$
9,14,19,25,31,38,45,53,61,70,79,89,99,104,110,121,133
$$

$\qquad$ not belong in the pattern?
$\square$
Name: $\qquad$
Cross off the number that does NOT belong.
$48,49,50,53,56,61,66,73,80,89,98,109,120,130,133,146,161$

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

Cross off the number that does NOT belong.
$29,38,49,62,77,94,106,113,134,157,182,209$

Why does $\qquad$ not belong in the pattern?
$\square$
Name:
Complete each pattern. Write what the rule is.

| 2 | 16 | 128 | 1,024 | 8,192 |
| :---: | :---: | :---: | :---: | :---: |
| 6 |  | 96 | 384 | 1,536 |
| 4 | 20 |  | 500 | 2,500 |
| 1 | 6 |  | 216 |  |

Find the missing numbers. These both have the same rule. What is the rule?
If
$1,1=1$
$8,8=64$
$2,2=4$
$9,9=81$
$3,3=9$
$4,4=16$
Then
$9.9=$ ?
Hint: The answer is NOT 25.

Name:




$\square$
Name:





Name:
Hannah is packing picnic baskets for her family's annual beach picnic. The picnic is so much fun! She gets to see all her aunts and uncles and cousins at one time. There will be 30 people at the picnic this year. Each basket has food for 5 people. How many baskets will she need to pack?

Baby Bird didn't want to start flying. He was afraid. He might fall to the ground and hurt himself. He put off trying to fly for a long time. His brothers and sisters made fun of him. Finally, he tried. Guess what happened? On his first flight he flew 5 feet and 10 inches to the next tree! On his second flight he flew 12 feet and 6 inches to another tree. Baby Bird loved flying! How much further did Baby Bird fly on his second flight than he did on his first flight?

There are 3 birthdays in our class for the month of October. Jack, Alex, and Megan all have birthdays. Megan is the last to celebrate. Her birthday is on the last day of the month. If you add the day numbers of the other birthdays, it equals the day number that Megan celebrates her birthday. The first person to celebrate is Jack. His birthday is 13 days before the next birthday. On what day numbers are each of their birthdays?


Write as a decimal.

$$
8 \frac{94}{100}
$$

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.

$$
2314
$$



Hint - These numbers are missing:

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

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

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

$$
1324
$$



Hint - These numbers are missing:

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

$4+6=\square$

$6+7=\square$
$\square$
Name: $\qquad$
Fill in the missing numbers.


Hint - These numbers are missing: $\begin{array}{llllllll}1 & 2 & 1 & 2 & 4 & 1 & 3 & 1\end{array}$


Hint - These numbers are missing:

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



Hint - These numbers are missing:

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



Hint - These numbers are missing:

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

$37+432=469$
Using the commutative property of addition, what do you think $432+37$ is?


Name: $\qquad$


Is 11 a composite or a prime number?

Circle the three numbers whose sum equals 32 .
$\begin{array}{llll}14 & 13 & 11 & 4\end{array}$
$5 \quad 7 \quad 6 \quad 3$


Name the shape with four sides and four angles.

Amanda has 28 books. She organized them equally into 4 boxes. How many books in each box?

Name: $\qquad$
Hint: There are no duplicate letters in the answer.

## Can you guess the word?

No duplicate letters can be used.

\section*{| A | C | U | T | E |
| :--- | :--- | :--- | :--- | :--- |}

The letter $A$ is in the word and is in the correct spot.


The letter $L$ is in the word, but $L$ is not in that spot.
A B CDEFGHIJKL

## A list of letters will be given that have not been used. Good luck!

Hint: There are no duplicate letters in the answer.


B


Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

F TOOPTNGOIDFOPTRUFT P P P T E O B POORRRTOZOCT Y G R P U O F ORWROMIBK PIN T T R I B Q P R I I P B I ON I NWI OUPABQPQUTNTIIERRNF B R V B O D B A B I P T P T Y C B B I G R B N R B R I F I T P W B T T B I I AMBILHIOFRRTIBDIVLT


ACDEFGHJLMPQSTUV X Y Z


Let's check if you guessed correctly. Look across or down to find the correct answer.

NBGONKRIRRNBWMXSSRG QHOQRMNREKNONHXNGWR R WD I G T U V J Z A B NOR R R I B I L WCEUGI Z I B I R I R R R I S WNNINRGZBGNDIVBBVON NBLZBNZNGGZBCGVKRNB X R N R R N R I M N F B I N N O N B E ONNRRBROWNGHGWBRINK BIUNQTQORIINGGDRRBM GGEBZNGKBINBRINGSOW

Hint: There are no duplicate letters in the answer.

$B D G J K M N O Q U V W X Y Z$


Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

OGXLOPCPPVEIVEPRIGM V X VQIDVCLELI I Z I R S I G RHECHCVYUXVETCOCIOA GEPEVDRPOPCRALJELCI R V I I AOTELCNAUSAVVLE I Y V T WI I I DECLOATAOCC I U P T L I S C OR R J P T J C I A CPIUAVEAEXICYIUNITR


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