Name: _____

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.

		1	2	3	4	1
		3	4	1	2	3
1	2	1	2	3	4	1

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

1   2   3   4

1	2	1	2	3	4	1	2
3	4			1	2	3	4
1	2			3	4	1	2

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

2   1   3   4

	1	2		3	1	2	
	4		4		4	3	
2	1		1	3		2	1

Hint - These numbers are missing:

2 3 2 4 1 1 3 1 2

3		2		2	1		4
2	4	3	4		4	2	1
3	1		1	2			4

Hint - These numbers are missing:

1 1 3 3 3 1 2

---

5 x (8 - 4)

It was 83 degrees outside. What would the temperature be if it got 11 degrees colder?

The perimeter of a rectangle is 18 cm. The longer side is 6 cm. How long is the shorter side?

Name: _____

Fill in the missing numbers.

Puzzle 1:
```
1  3  1
   2  4
1        2
4     4  3
1  3     2
```

Hint - These numbers are missing:

4 2 3 2

3 1 1

Puzzle 2:
```
2
3  4  3  4
1     1
4
2     2  1
```

Hint - These numbers are missing:

3 1 2 4 2

1 3 1 2

Puzzle 3:
```
      1     2
   3     3  1
2        4  2
1     2  3
```

Hint - These numbers are missing:

1 4 2 1 2

1 3 4 4

Puzzle 4:
```
1        3
2  4  1  4
1  3        1
2     1  4
```

Hint - These numbers are missing:

3 1 4 2

2 2 2 3

Insert a comma in the correct place in this sentence.

Yes I do love green beans.

22 kg = _____ g

Name: _____

X	11		11	10		
8	8 x 11	8 x ___	**88** 8 x 11	8 x 10	8 x ___	**96** 8 x ___
	___ x 11	___ x ___	**33** ___ x 11	___ x 10	___ x ___	___ x ___
	___ x 11	___ x ___	**99** ___ x 11	___ x 10	___ x ___	___ x ___
	___ x 11	___ x ___	___ x 11	**70** ___ x 10	___ x ___	___ x ___
	___ x 11	**45** ___ x ___	**55** ___ x 11	___ x 10	___ x ___	**60** ___ x ___
	88 ___ x 11	**72** ___ x ___	___ x 11	___ x 10	**96** ___ x ___	___ x ___
	55 ___ x 11	___ x ___	___ x 11	___ x 10	___ x ___	**60** ___ x ___
	___ x 11	___ x ___	___ x 11	___ x 10	**132** ___ x ___	___ x ___

$$5\ 1\ 3$$
$$-\ 3\ 6\ 0$$

Write an equation to represent this:

The difference between twelve and four is eight.

_____

9 x 10 =

word root **hemi** can mean **half**   hemisphere

Name: _____

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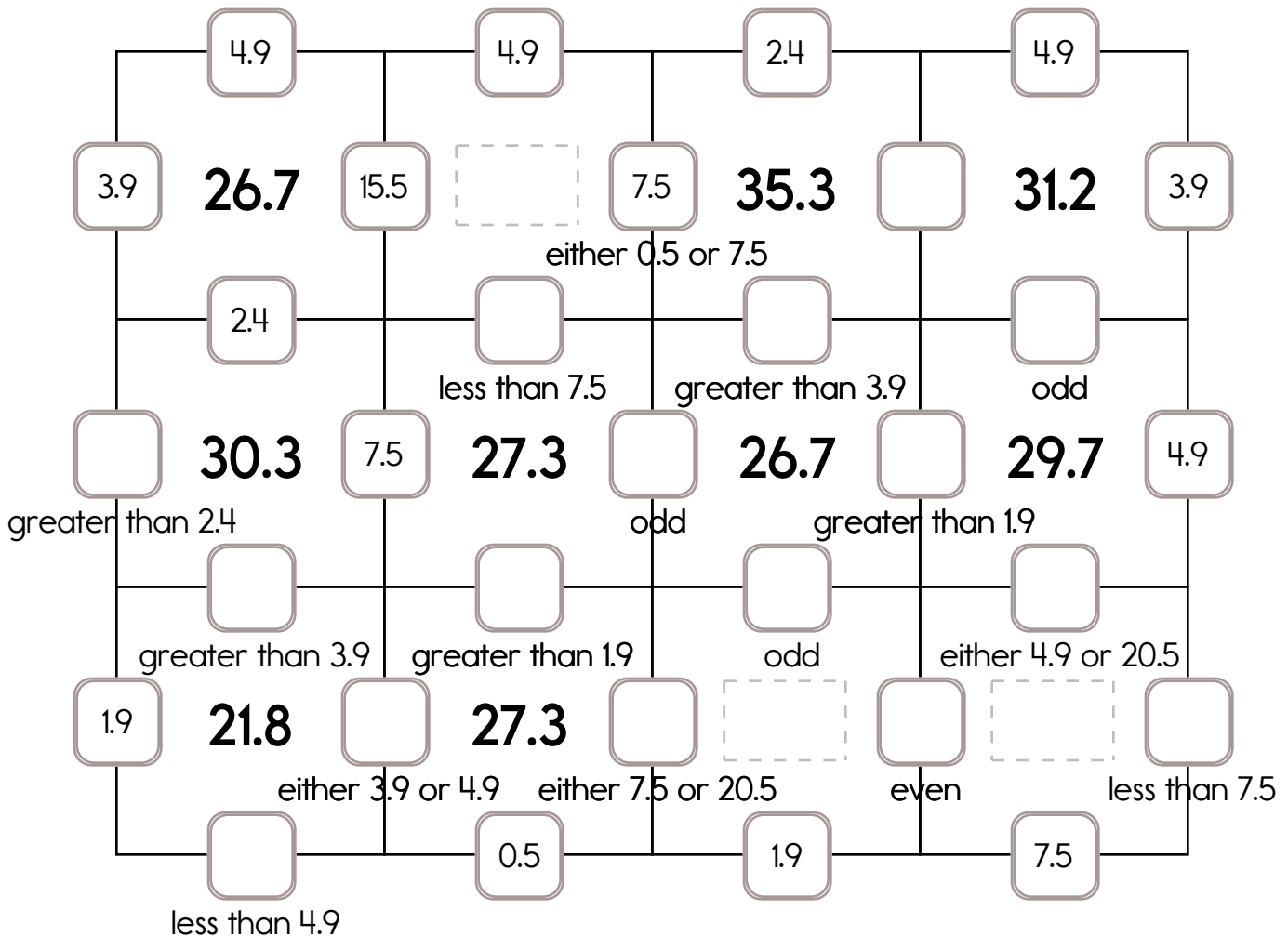
Example:

4.9 + 0.5 + 1.9 + 14.7 = 22

Example:

2.4 + 20.5 + 7.5 + 4.9 = 35.3

Sample:
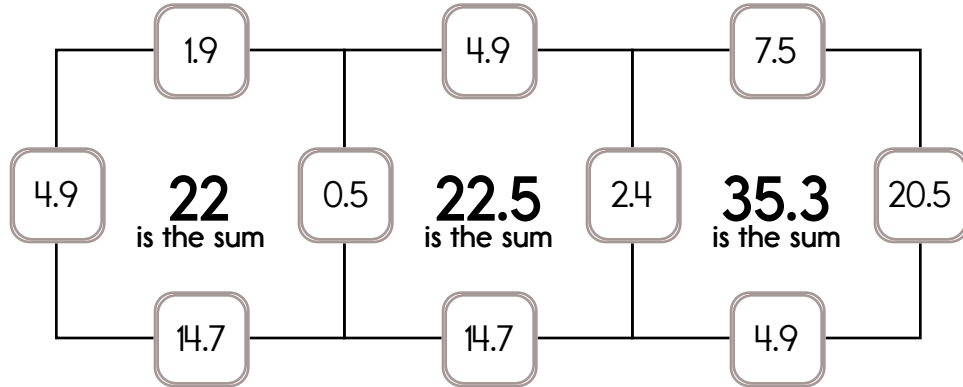
	1.9		4.9		7.5	
4.9	**22** is the sum	0.5	**22.5** is the sum	2.4	**35.3** is the sum	20.5
	14.7		14.7		4.9	

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: 15.5, 14.7, or 20.5. The other three numbers have to all be DIFFERENT and must be from these: 3.9, 0.5, 2.4, 4.9, 7.5, or 1.9.

	4.9		4.9		2.4		4.9	
3.9	**26.7**	15.5	▢ (either 0.5 or 7.5)	7.5	**35.3**	▢	**31.2**	3.9
	2.4		▢ (less than 7.5)		▢ (greater than 3.9)		▢ (odd)	
▢ (greater than 2.4)	**30.3**	7.5	**27.3**	▢	**26.7**	▢	**29.7**	4.9
	▢ (greater than 3.9)		▢ (greater than 1.9)		▢ (odd)		▢ (either 4.9 or 20.5)	
1.9	**21.8**	▢	**27.3**	▢	▢ (even)	▢	▢ (less than 7.5)	
	▢ (less than 4.9)		0.5 (either 3.9 or 4.9 / either 7.5 or 20.5)		1.9		7.5	

Name: _____

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: 27.4, 16.3, or 22.6.
The other three numbers have to all be DIFFERENT and must be from these: 3.7, 9.2,
8.2, 6.8, 4.5, or 0.8.

|	8.2				3.7		3.7	
27.4	**43.8**	3.7	**30**	16.3	**33.7**		**42.4**	27.4
					less than 27.4		either 4.5 or 3.7	
	4.5		0.8					
					less than 16.3		even	
	42.1		**35.3**		**40.8**		**46.1**	
		even		greater than 0.8		even		less than 4.5
	either 27.4 or 6.8		odd				either 22.6 or 27.4	
			36		**34.7**		**36.4**	
even		odd		either 22.6 or 6.8		less than 27.4		less than 22.6
	either 9.2 or 8.2		either 6.8 or 16.3				greater than 0.8	
	43.8		**37.4**		**46.8**		**44.8**	
greater than 0.8		odd		less than 22.6		less than 27.4		either 4.5 or 27.4
	odd		greater than 4.5		either 3.7 or 6.8		either 9.2 or 4.5	
	36.4		**34.5**					
even		less than 3.7		even		less than 27.4		greater than 22.6
	less than 22.6						even	

Name: _____

Find the way from START to END by passing through EVERY number that is a multiple of thirteen exactly ONCE. Cross off each box that is NOT a multiple of thirteen. Yes, that means you have to go through ALL the multiple of thirteen boxes. Wow!

You are not allowed to go diagonally. Good luck!

START	871	260	8	669	143	689
693	440	793	377	195	741	663
374	695	715	624	26	78	13
232	898	169	234	182	988	273
895	205	117	390	598	130	637
51	485	247	39	585	156	572
35	520	884	416	325	560	846
351	494	143	312	468	937	882
403	325	637	445	143	624	538
819	91	213	51	777	182	END

Name: _____

Puzzle:

▱	🦌	**15**	▱	🐟	57
15	**15**	🦌	🐟	🎃	53
🦌	🦌	🦌	▱	🎃	50
🎃	🪁	🎃	🎃	🐟	31
🎃	🐟	🎃	▱	**15**	40
44	61	45	44	37	**+**

Work Area:

		15			57
15	**15**				53
					50
					31
				15	40
44	61	45	44	37	**+**

The sum for each column and row is given.

🪁 = _____ 🦌 = _____ 🎃 = _____

🐟 = _____ ▱ = _____
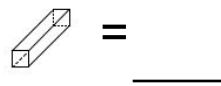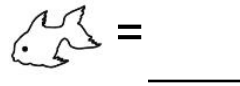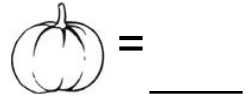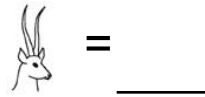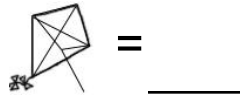
What is the area of a rectangle with sides 5 cm and 8 cm?

Round 7,608 to the nearest thousand.

---

4 - 3 + 7 x 7

It was 5 degrees below zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?

What is 50% of 1,252?


How many centimeters in 3.6 meters?

Name: _____

ACROSS

1. What is the lowest common multiple of 21-Across and 15-Down?

3. **15**

7. What is the greatest common factor of 26 and 30?

9. First composite number after 3-Across

10. Seven times 3-Down

11. Six times 2-Down

12. The hundreds in 19-Across

13. What is the lowest common multiple of 2-Down and 7-Across?

14. Two times 9-Across

18. Its digits total 21

19. What is the lowest common multiple of 3-Down and 3-Across?

20. What is the lowest common multiple of 4-Down and 7-Down?

21. Sum of digits of 10-Across

DOWN

1. How many factors does 48 have?

2. How many factors does 34 have?

3. 11

4. What is the greatest common factor of 33 and 57?

5. One more than 8-Down

6. eight million, six hundred forty-nine thousand, four hundred fifty-nine

7. Eight more than 3-Across

8. Eight more than 10-Across

9. Three less than 12-Down

12. 19-Across plus 3-Down

15. Two more than 21-Across

16. Five more than 9-Across

17. What is the greatest common factor of 30 and 45?

18. Average of 12-Down and 13-Across
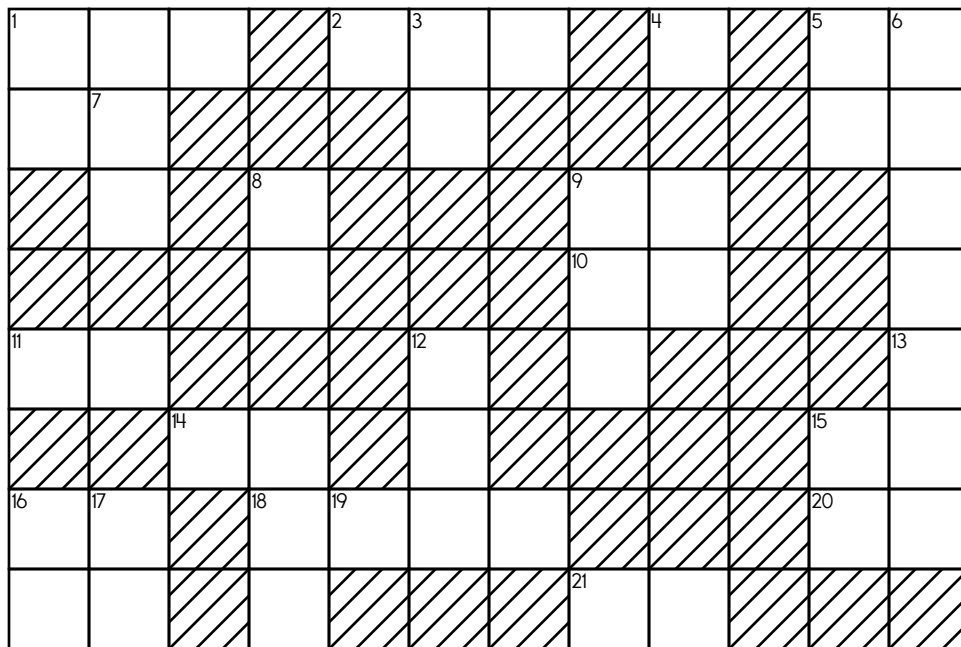
Name: _____

In the Move Your Points App, Jenna started with a lot of points. Then she gave Erin $\frac{1}{4}$ of her points. Jenna ended with a total of 93 points. How many points did Jenna start with?

I am a 3-digit number with a 6 in the ones place. My tens digit is 4 more than my hundreds digit. Write any number that fits this.

This number is one thousand more than 3,471.

How many total legs are on 2 zebras and 5 owls?

What number is halfway between 57 and 61?

Name: _____

Ready to make equations? There is a missing equation in each box.

Circle the numbers once you find it!

A
27	87	25
71	③	11
95	42	18
80	20	21

-

Find a
subtraction fact.

B
91	61	7
25	21	29
95	73	63
43	12	59

-

Find a
subtraction fact.

C
29	78	76
22	35	15
90	21	85
36	11	83

-

Find a
subtraction fact.

Equations:

Write the equation facts you found.

A		-	3	=	
B		-		=	
C		-		=	

$$
\begin{array}{r}
4\ 7\ 9 \\
+\ 3\ 5\ 6 \\
\hline
\end{array}
$$

$24 \div 6 =$

Write the missing family fact.

$286 \div 26 = 11$
$26 \times 11 = 286$
$286 \div 11 = 26$

_____

How many inches are in 2 feet?

_____ inches

Name: _____
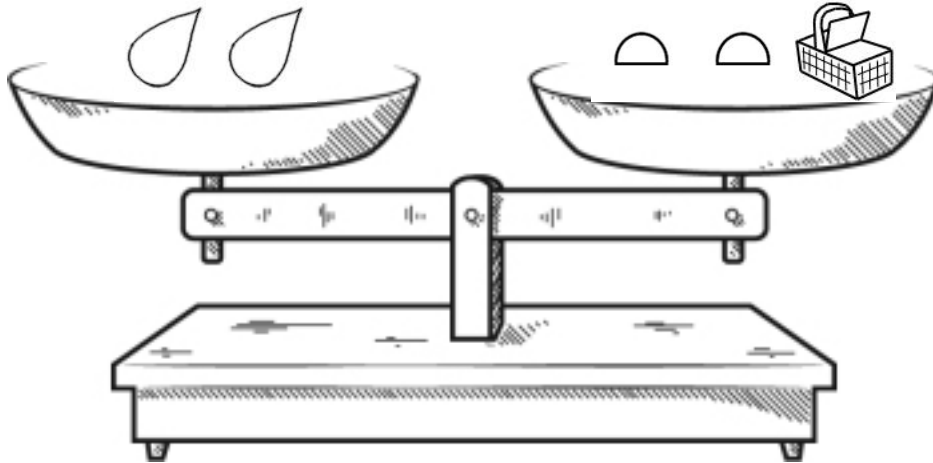
It may help to give values to pictures.

🌢 = __20__	◠ = __12__	🧺 = _____

You should only mark TRUE if you are absolutely sure it is correct!

◠ ◠ 🧺 = 🌢 🌢
☐ True ☐ False

🌢 🌢 > ◠ ◠
☐ True ☐ False

🧺 ◠ > 🌢 🌢
☐ True ☐ False

◠ ◠ 🧺 ◠ = 🌢 🌢 🌢 🌢 🌢
☐ True ☐ False

◠ ◠ 🧺 🔩 = 🌢 🌢 🔩
☐ True ☐ False

Did you find that three are true? If not, look again!

Name: _____

Make change. You can use $20, $10, $5, $1, 25¢, 10¢, 5¢, or 1¢.

Make $11.46 any way you want!

Make $35.57 any way you want!

Make $25.52 any way you want!

Make $56.44 any way you want!

```
   4 9
 + 4 1
```

Write 6,788 in words.

_____