| 66 | +9 | | -46 | | +40 | | -36 | | +25 | |

+6

Name: _____

Pick 25 to do: **Skip 2 pages.**

☐ page 1   ☐ page 7   ☐ page 13   ☐ page 19   ☐ page 25
☐ page 2   ☐ page 8   ☐ page 14   ☐ page 20   ☐ page 26
☐ page 3   ☐ page 9   ☐ page 15   ☐ page 21   ☐ page 27
☐ page 4   ☐ page 10   ☐ page 16   ☐ page 22
☐ page 5   ☐ page 11   ☐ page 17   ☐ page 23
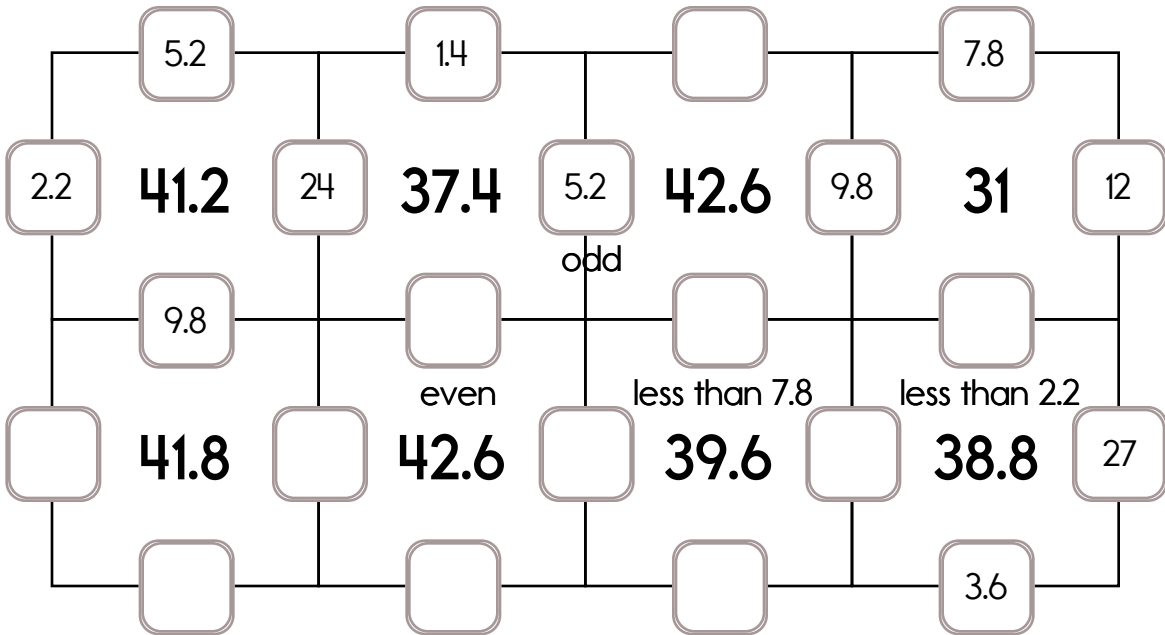☐ page 6   ☐ page 12   ☐ page 18   ☐ page 24

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: 12, 24, or 27.

The other three numbers have to all be DIFFERENT and must be from these: 6.8, 9.8, 2.2, 3.6, 1.4, 5.2, or 7.8.

Left border (top to bottom): 65, +18, +2, +28, +8, -50, -26

Bottom border (left to right): -11, +33, -5, -4, +7

Right border (top to bottom): +6, +15, +12, -13, -30, +1, 49, +16

Grid values:

Row 1: 5.2, 1.4, ☐, 7.8

Row 2: 2.2, **41.2**, 24, **37.4**, 5.2, **42.6**, 9.8, **31**, 12

(below 5.2: odd)

Row 3: 9.8, ☐, ☐, ☐

(labels: even, less than 7.8, less than 2.2)

Row 4: ☐, **41.8**, ☐, **42.6**, ☐, **39.6**, ☐, **38.8**, 27

Row 5: ☐, ☐, ☐, 3.6

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

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

3   2   4   1

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

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

3   4   1   2

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

Hint - These numbers are missing:

3   1   1   2

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

Hint - These numbers are missing:

3   2   1   3

8 + 5 = ☐	9 + 3 = ☐	8 + 5 = ☐	8 + 6 = ☐	4 + 2 = ☐	7 + 6 = ☐

Name: _____

Fill in the missing numbers.

	2		3
	3	1	2
1			3

Hint - These numbers are missing:

4   2   4   1   4

2		2	1
4		4	
1		1	

Hint - These numbers are missing:

2   1   3   2   3

	4	1	3	
1		2		2
	4	1	3	1

Hint - These numbers are missing:

1   4   2   2   3

1	4		3	2
	3		4	
1			3	2

Hint - These numbers are missing:

2   1   1   1   4   2

$$\begin{array}{r} 1\ 6 \\ -\quad 7 \\ \hline \end{array}$$

6 + 6 + 1 = ___

6 + 6 + 2 = ___

9 + 2 = ___

10 + 2 = ___

Write the missing letter to spell **came**.

c_me   cam_   _ame

Write the missing sign.

9 ___ 8 = 1

Name: _____

Puzzle:

		0	11
			20
			14
12	19	14	+

Work Area:

		0	11
			20
			14
12	19	14	+

The sum for each column and row is given.

🎹 = _____   ◁ = _____   ⬭ = _____

Puzzle:

			8
			11
			10
8	10	11	+

Work Area:

			8
			11
			10
8	10	11	+

The sum for each column and row is given.
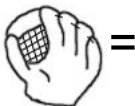
🧤 = _____   🧤 = _____   ⬤ = _____

◎ = _____

Name: _____

|		
Double the number 6 three times.	Adam earns $17 an hour. He worked 2 hours. How much did he make?	In the equation 39 x 402 = 15,678, which number is the product?
___ ÷ 5 = 2	This number is one thousand less than 7,729.	triple 80 =

Name: _____

Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil.
Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No
stopping on an empty box.** Try to collect all the robots and finish your last line on the **E** circle.
You can go through a robot more than once.
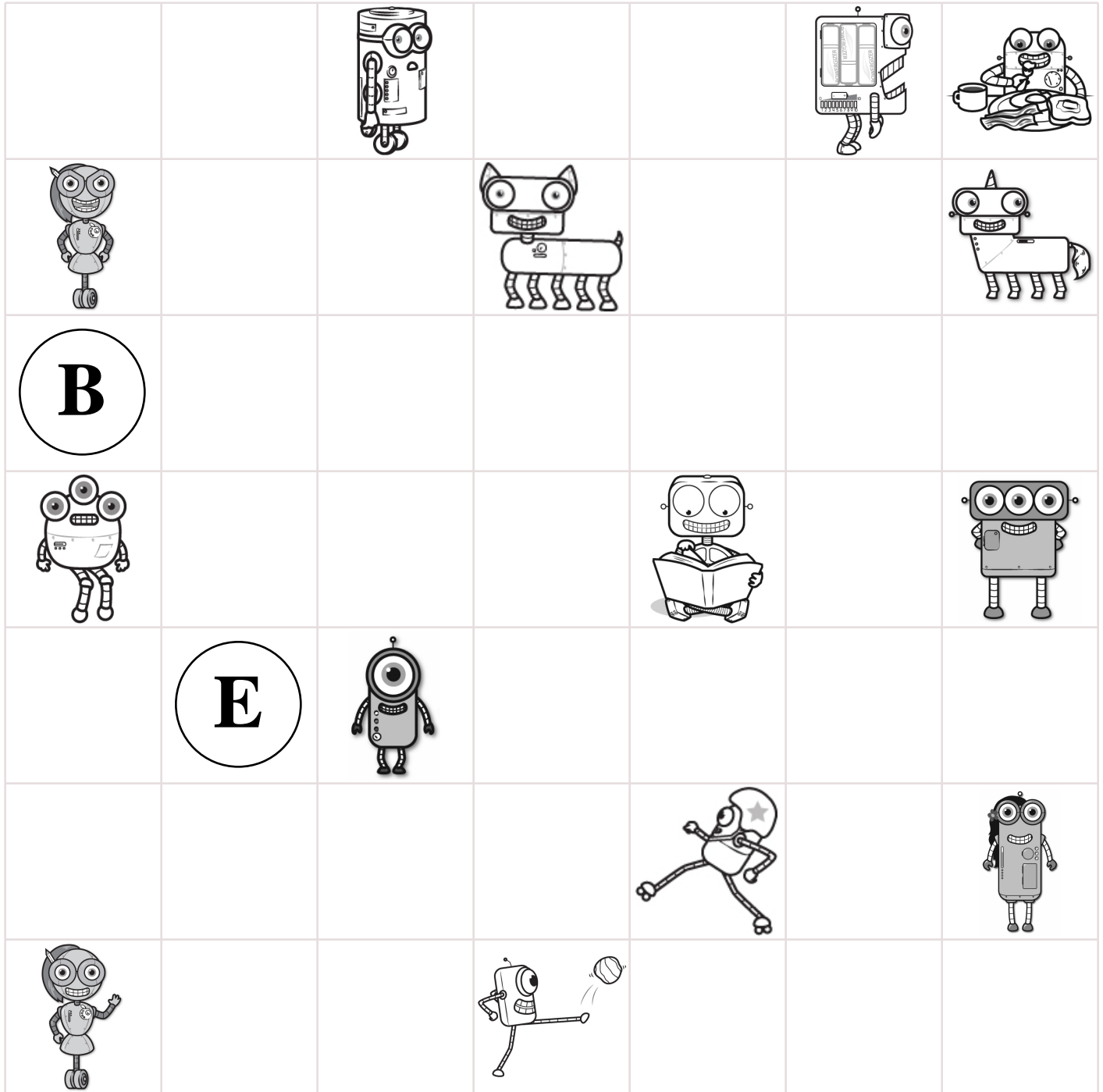
Didn't get them all? That's ok. This was hard.

I missed _____ circle(s).

Name: _____

---

7 x 4

(30) (42) (81) (28)

Skill: Multiplication

$$\begin{array}{r} 2\ 9\ 7\ 2 \\ +\quad 6\ 5\ 8 \\ \hline \end{array}$$

Skill: Whole Numbers and Place Value
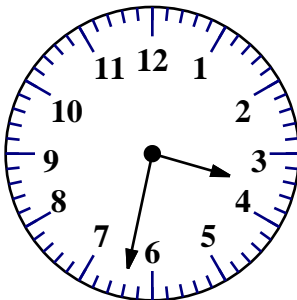

2,044 is _____ 2,111

(equal to) (greater than)

(less than)

Skill: Place Value and Large Numbers

$$\begin{array}{r} 9\ 5 \\ -\ 5\ 7 \\ \hline \end{array}$$

Skill: Subtraction

What time is it?

(3:27) (3:22) (3:37) (3:32)

Skill: Clocks and Time

?

This bar model shows which fraction?

($\frac{2}{4}$) ($\frac{1}{2}$) ($\frac{0}{3}$)

($\frac{0}{2}$)

Skill: Fractions

Round 50,409 to the nearest thousand.

Skill: Estimation and Number Theory

How many minutes are in 2 hours?

(180 minutes) (120 minutes)

(80 minutes) (235 minutes)

Skill: Clocks and Time

Name: _____

What happens when you add odd numbers?

13 + 13 =_____	7 + 13 =_____	3 + 11 =_____

3 + 13 =_____	5 + 11 =_____	11 + 7 =_____

3 + 1 =_____	11 + 1 =_____	11 + 11 =_____

When you add two odd numbers together,

the sum will always be _____.

Emily just got a phone. The first day she got the phone she played for only 9 minutes.
Every day after that she doubled how much time she played on her phone. On day 2
how long did she play on her phone?

Name: _____

David and his family took a 10-hour trip in their car through the mountains. They traveled one hundred twenty-four miles from Pierce to Buchanan, two hundred eighteen miles from Buchanan to Tyler, one hundred forty-three miles from Tyler to Polk, thirty-eight miles from Polk to Lincoln, and seventy miles from Lincoln back to their home. How far did they travel in all?

Mrs. Johnson hurried into the store. She had to find some pajamas quickly. Tomorrow would be Wear Your Pajamas to Work Day and she just had to have a new pair. Finally, she found some in her size and grabbed two packages. One package cost $13.99 and the other package cost $2.40 more than the first one. What was the total cost of the two pairs of pajamas?

The base of Edensaw's tent is 6 feet long and 5 feet wide. What is the perimeter of the base of the tent?

According to the makers of Play-Doh, over two billion cans of Play-Doh have been sold since 1956. If 2.9 million cans of Play-Doh were sold this year, how many cans of Play-Doh were sold before this year? State your answer in millions.

Mr. Thompson made 101 cups of chocolate milk for the party. Each person at the party drank 3 cups of milk. There were 8 cups left over. How many people were at the party?

word root **cogn** can mean **know**   **cognition, cognitive, recognize**

Name: _____

Mike and Andy were bored. It was too cold to play outside, and their parents had banned electronic play for the rest of the day. All the boys wanted to do was lie on the couch, play video games, and watch basketball on TV. Unfortunately, that wasn't an option. Mike was starting to get on Andy's very last nerve. This was the sixth straight day they'd been stuck inside together because of the snow. Mike wadded up a piece of paper and threw it at his brother. The paper ball hit Andy right in the middle of the chest. At first, Andy was angry. Then the wad of paper gave him a great idea! He and his brother could play basketball inside! They grabbed two plastic cups to use as baskets and kept the wad of paper to use as their ball. Each basket was worth 2 points. By the time the game was over, Andy had 56 points, and Mike had 42 points. How many baskets did they make altogether?

Show your work.

Math Workbook

Name: _____

Write your own math problem here.

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

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?

Mental Math = Do it in your head!

imagine 2 in your head	imagine 7 in your head	imagine 6 in your head	imagine 4 in your head
add 4	subtract 2	add 8	add 5
subtract 4	add 2	double it	double it
	multiply 7	subtract 7	subtract 6
	double it	subtract 6	
	subtract 6	subtract 9	
Write the number.	Write the ones digit.	Write the number.	Write the ones digit.
____	____	____	____
A	B	C	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?

____ ____ _e_ ____ _v_ ____

4 after 17 _____   9 before 11 _____   5 before 19 _____

2 after 15 _____   8 before 14 _____   4 before 17 _____

1 after 13 _____   3 before 13 _____   6 before 16 _____

Name: _____

Robot was given a math problem to solve.
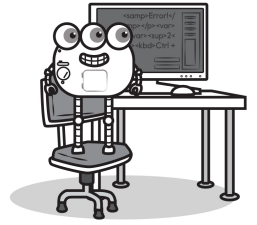
Hunter counted the cows in the field. There were 7 brown cows, 2 white cows, and 16 black and white cows. How many were there in all?

Robot wrote this program in Python to solve it.

```
brown_cows = 7
white_cows = 2
black_and_white_cows = 16

total_cows = brown_cows + white_cows + black_and_white_cows

print(total_cows)
```

Robot's program will print the answer to the math problem.
What will the program print out? Fill in the blanks.

___ ___

Hints and Questions

After Robot's program is done, the variable brown_cows will have a value in it.
What value does it have?

In the program, "brown_cows" is called a variable.
It is used to store a value. Name two other variables used in the program.

Name: _____
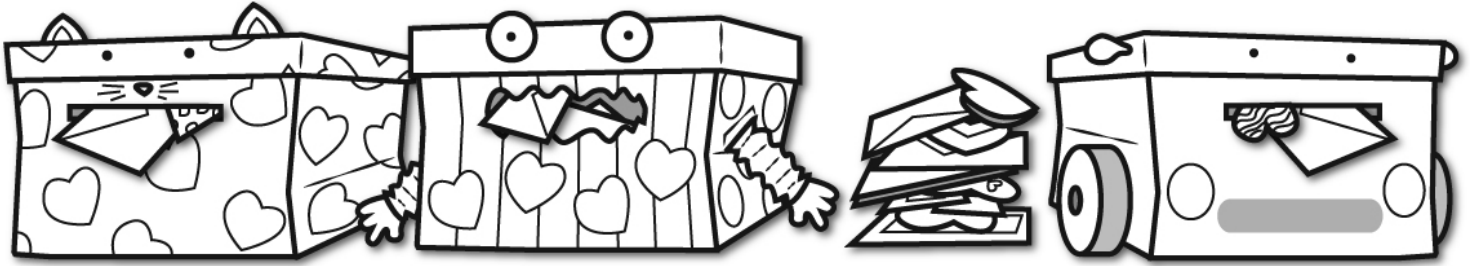
Write your own math problem here.

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

Name: _____

Secret Mission: You have been hired to develop and evaluate robots' math skills. Sometimes, they give thorough, correct explanations. However, they occasionally go haywire.

Robot Rob was given a math problem to solve.

Anna invited her friends over to celebrate her birthday. She has 35 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 4 boxes of strawberry sour mints. She has 11 boxes left.   How many goodie bags did she give out?

Robot Rob thinks this might be the answer:
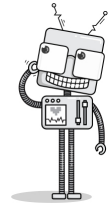
She gave out 35 - 11 = (35-11=24) 24 boxes of mint
She made 24 / 4 = (24/4=6) 6 goodie bags. Answer: 6.

Robot Rob did not explain too much. How do you think Robot Rob could have shown his work better?

Name: _____

He is not sure that is correct, so he asked Robot Rita for help. This is how she tries to solve the problem.
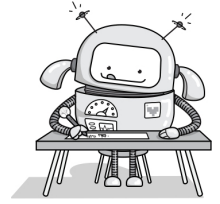
First you would need to find out how many boxes of mints Anna initially gave away. You do this by subtracting the 11 boxes she has left from the 35 boxes she started with, which equates to 24 boxes.

Then, to find out how many goodie bags she gave out, you divide the 24 boxes by the 4 boxes each friend received. So, Anna gave out 6 goodie bags.

If you were the teacher, how would you grade Robot Rita's work? Explain and also make comments in Robot Rita's work.

Hint: EdHelper's answer pages gave this answer.

She made and gave out 6 goodie bags.

Name: _____

Now that you have seen edHelper's answer and how the robots tried to solve this problem, how would you solve it? Show your steps and explain.

Anna invited her friends over to celebrate her birthday. She has 35 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 4 boxes of strawberry sour mints. She has 11 boxes left. How many goodie bags did she give out?

Name: _____

Now, it's your moment to shine! After observing the robots' attempts and fine-tuning their efforts, it's your turn to step up and give it a go!

Jenna invited her friends over to celebrate her birthday. She has 26 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 2 boxes of strawberry sour mints. She has 14 boxes left.   How many goodie bags did she give out?

Name: _____

Hannah will win a trip to Hollywood if she sells 700 calendars this year. In January she sold 341 calendars. How many more calendars does she have to sell to win the trip?

Thing One and Thing Two poured cereal all over the floor. Little Cat A picked up 26 pieces of cereal, Little Cat B picked up 36 pieces, and Little Cat C picked up 20 pieces. How many pieces of cereal did Little Cats A, B, and C pick up in all?

Erin was bored. She went to the store and bought a puzzle with 500 pieces. The puzzle cost $8.60. She gave the clerk $20. How much change did she get?

Rose went to the store. She bought a dozen eggs for $1.36. She gave the clerk $10. How much change did she get back?

Each student in Mr. Clark's class read 2 articles about children in other countries. There are 20 students in the class. How many articles did the students read?

Maria wanted to make peanut butter cookies. She bought a jar of peanut butter for $2.36, a pound of flour for $0.33, a pound of butter for $2.83, and a dozen eggs for $1.09. How much did she spend in all?

Name: _____

Rosa made a cheesecake for her family. When she finished it, she put chocolate chips on top! She put 13 chips on the cake for each person in her family. There are 6 people in Rosa's family. How many chocolate chips did she put on top of the cake?

Justin offered to bring the drinks for the class National Hugging Day party. There are nineteen students in the class and one teacher. Drinks cost fifty-eight cents each. Justin bought one drink for each student and two drinks for the teacher. How much did the drinks cost?

Forty-three people came to help clean up the riverbank. They worked for almost six hours. When they finished, each person had picked up 15 bags of litter! How many bags of litter did the people pick up?

Mrs. Moore has a bag of tomatoes. Three of the tomatoes are green. Ten of the tomatoes are red. Is it certain, likely, or unlikely that the first tomato she takes out of the bag will be green?

Nathan earns $6.75 per hour for babysitting and $4 per hour for yard work. He worked 8 hours last week -- 5 hours of babysitting and 3 of yard work. He saved all his money to take his parents to a movie. How much money did he save?

What is one-tenth of 10?

_____

Name: _____

1¢	$10	____ ¢	____ $	____ ¢

____ $

____ ¢

$10.01

____ $

____ $

____ $

____ $

____ $

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

3	6	4	1	5	2
2	5	1			3
1					
5	4		3		1
					4
		3			5

Each row, column, and box must have 4 different pictures.

Name: _____

Write the measurement for each angle.

∠ CLG = _____115°_____   ∠ GLB = _____   ∠ ALB = _____

∠ CLA = _____   ∠ ALF = _____   ∠ GLF = _____

∠ CLD = _____   ∠ CLA = _____   ∠ DLB = _____

∠ ALB = _____

Name: _____

Two games require players to collect gold coins. Here is how many coins are needed for each level of the game Umba:

Level 1: MMMM

Level 2: MMMMMMMM

Level 3: MMMMMMMMMMMM

Coins needed for each level of the game Yinka:

Level 1: M

Level 2: MMM

Level 3: MMMMM

Did you notice each game follows a pattern? Which game would require the most coins to complete level 7?
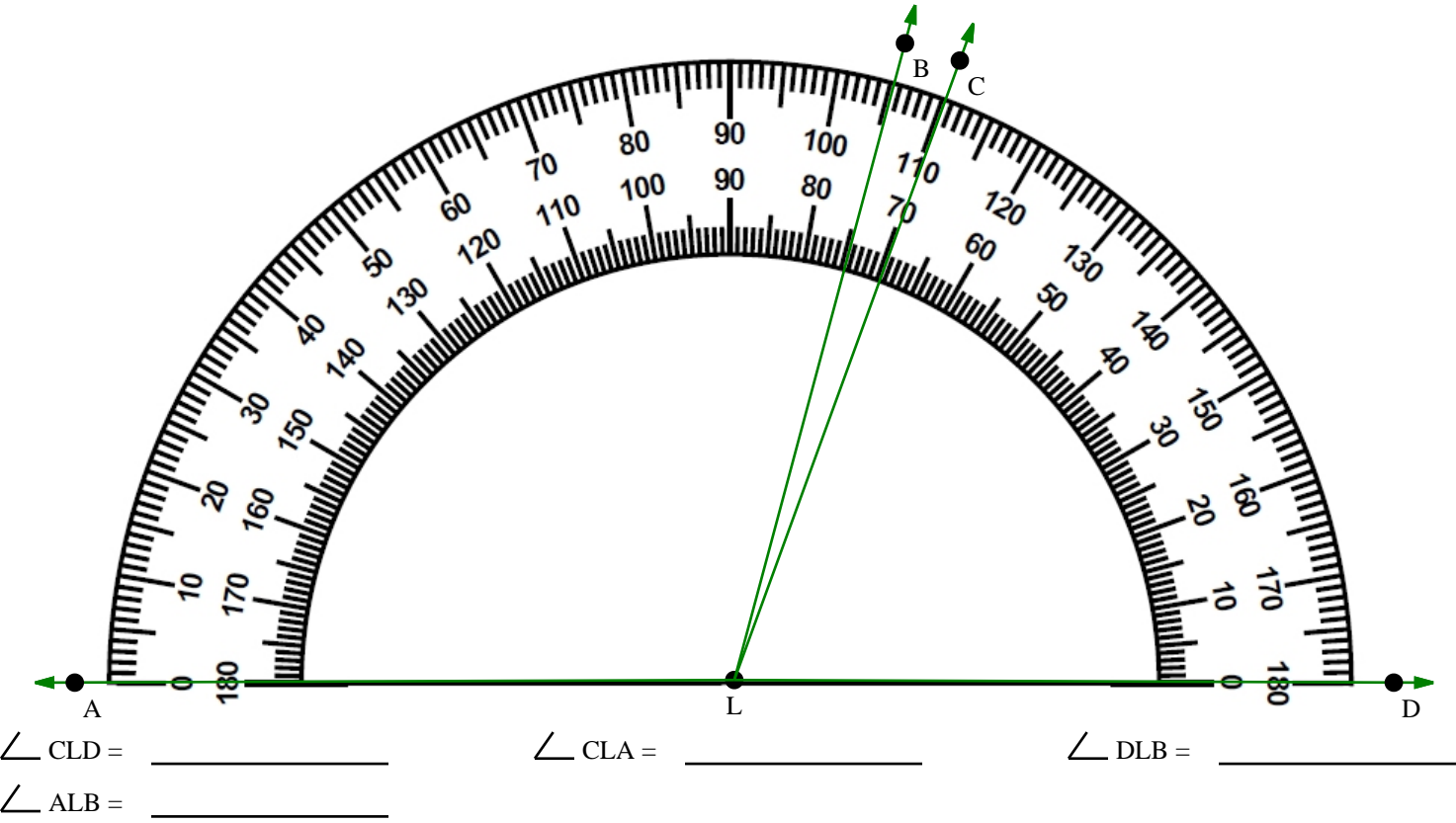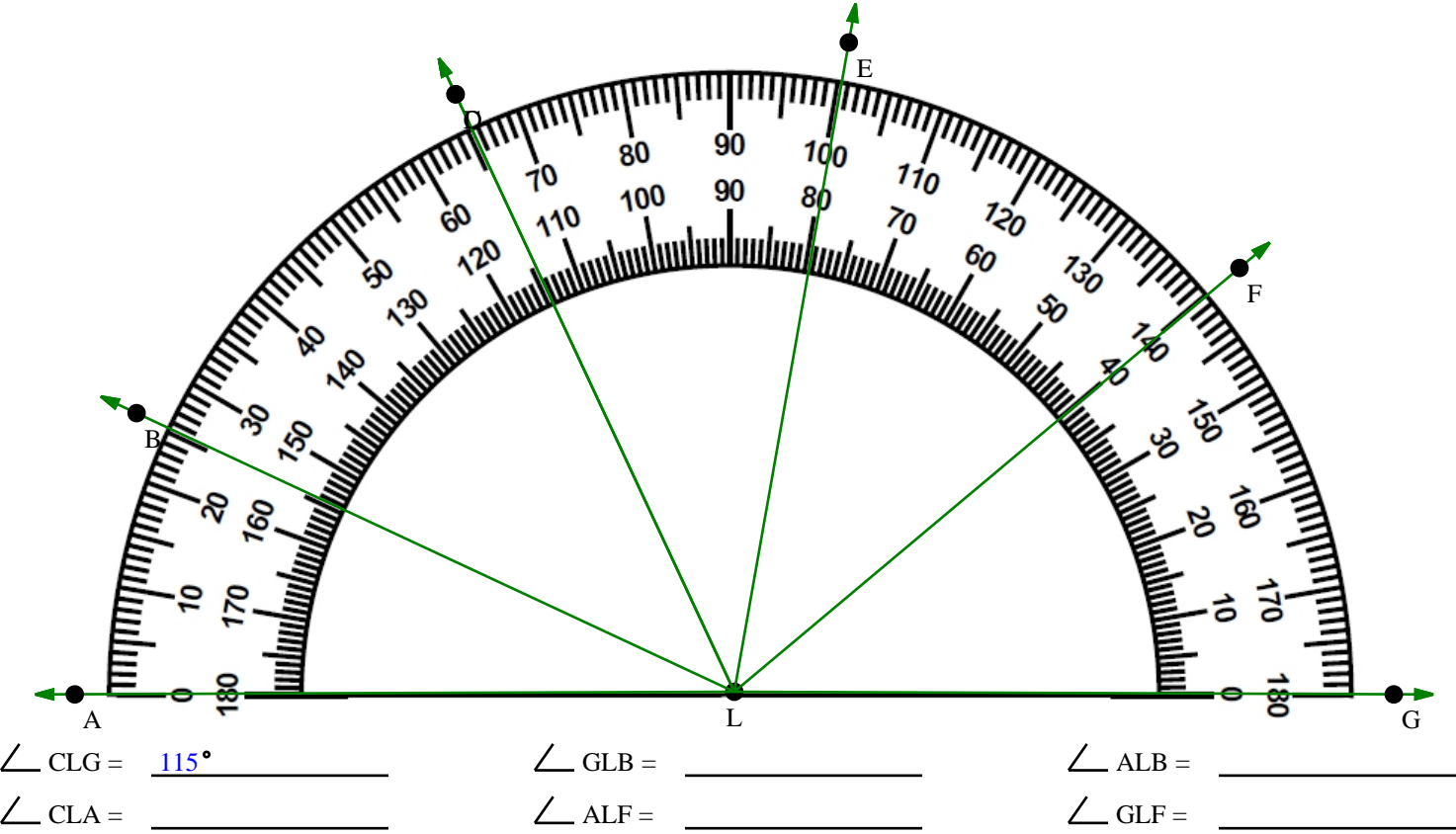
    Each M is equal to 3 gold coins.

Amy cannot decide which of the following two clubs to join, so she wants to pick the club with the most girls. Which club should she join?

The Earth Club has a total of 35 members. There are 5 more boys than girls.

The Gamer's Club has a total of 52 members. There are 6 more boys than girls.

Eric got 2 personal pizzas. He cut his pizza into 5 equal slices and then ate 2 slices. He gave the other pizza to Sara. She cut her pizza into 6 equal slices and then ate 4 slices.

Draw a picture of each pizza.

    Who ate the most pizza?

The grocery store sells 3 cases of Erin's Water for $15. They also offer 2 cases of Cool Water for $13. If you like both brands equally, then which brand of water is the better deal?

Name: _____

Sudoku Sums of 7

Each row, column, and box must have the numbers 1 through 6.
Hint: Look for sudoku sums. The sum of the two boxes inside of
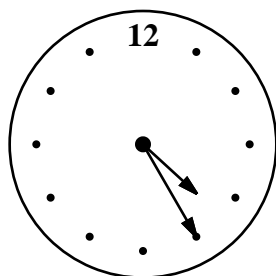the dashed lines is 7.

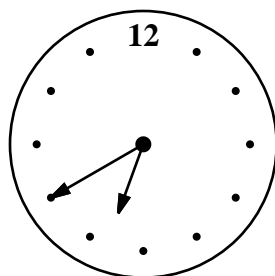Here is an example of a sudoku sum of 7:

2	5

4			6		
					3
			3		
	6		4		5
	4	3	1	6	
				3	

What fraction of the box is shaded?

$\dfrac{}{2}$

current time (pm)   time party starts (pm)

How long until the party? _____

What temperature is eight degrees below freezing in Celsius?

_____

Add the correct end punctuation for this sentence.

I am horrified by the fact that Benedict Arnold was a traitor

How many inches are in two feet?

_____

Name: _____

Play a game online!
edHelper.com/math-games.htm

Nice work!

I PLAYED ONE GAME

☐ (Check the box after you play.)

MY SCORE

_____

Subtract 128 from 645.

$$\begin{array}{r} 18 \\ + 39 \\ \hline \end{array}$$

Find the difference between 485 and 88.

How many tens are in the number 300?

What number is halfway between 14 and 22?

Which number is a 2-digit even number?

Name: _____

Kevin bought some happy face stickers. He put them on pieces of bright green paper and wrote, "I am happy that you are part of my world." Every time he thought of it, he secretly left one of the notes. Most of the time he left the notes for strangers. It made him feel like he had a happy secret. His computer printed 20 of the notes on one sheet of paper. How many sheets of paper would he need to print 170 notes?

Adam bought four rabbits. He wants to make a hutch for them. The man at the pet store told him that each rabbit would need at least ten square feet of cage space. The hutch he wants to build is thirteen feet long and eleven feet wide. After allowing ten square feet per rabbit, how much space will he have left for a nesting box?

Gavin had sixteen safety pins. He gave his sister four. Write an expression. Find the value.

Kevin picked 30 pretty flowers for his mother. One-fifth of the flowers were blue. How many flowers were not blue?

Mrs. Anderson made some salads. She put 3 tomato slices and 2 olives on each salad. If she used 24 tomato slices, how many olives did she use?

Name: _____

2 • 4 • 0 • ÷ • 7 • 2 • = • 0 • 1 • 8 • 2 • 0 • 5 • 3 • = • 6 • ÷
4 • 9 • x

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

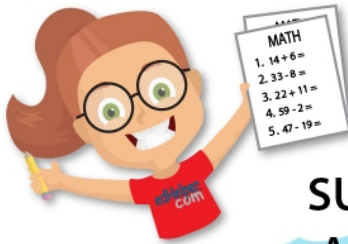| Jessica has 40 books. She organized them equally into 5 boxes. How many books in each box? | 626 + 6 = | 5 - 55 ÷ 11 |

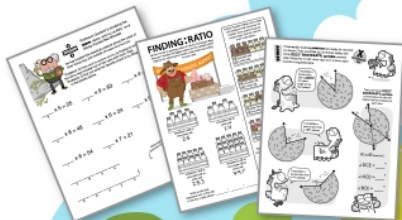| Is 34 a composite or a prime number? | 7 + 6 x 6 - 12 | You need to add what to 57 to get 65? |