## Rems:

## 3mms Meffb

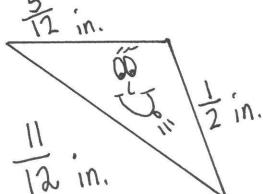
I. Fractions.

A. Simplify all Sums and Differences.

$$\frac{7}{12} + \frac{1}{12} = - \div = -$$

$$1 - \frac{2}{10} = - \div \left\{ - \right\} = -$$

B. Find the Perimeter. Simplify.



$$\frac{7}{9} \cdot 9 = -$$

$$\frac{5}{6} \cdot 9 = -$$

$$\frac{14}{15} \cdot \frac{1}{15} = \frac{3}{10} \cdot \frac{1}{15} = -$$

3. 
$$\frac{4}{9} = \frac{12}{72} \div \frac{12}{12} = \frac{1}{6}$$

$$\frac{1}{2} \frac{3}{4} = \frac{1}{6}$$

$$\frac{7}{10} \cdot \frac{5}{14} =$$

$$\frac{1}{6} \cdot \frac{15}{16} =$$

$$\frac{3}{4} \cdot 7 =$$

$$\frac{2}{3} \div \frac{8}{9} = \frac{2}{3} \times \frac{9}{8} = \frac{18 \div 16}{24 \div 16} = \frac{3}{4}$$

$$\frac{2}{3} \cdot \frac{8}{9} = \frac{2}{3} \cdot \frac{9}{9} = \frac{3}{4}$$

$$\frac{4}{5} \cdot \frac{16}{25} =$$

$$\frac{7}{9} \div \frac{2}{3} =$$

$$\frac{3}{8} \div \frac{9}{24} = --$$

$$\frac{1}{2} \cdot \frac{9}{10} = -$$

$$\frac{7}{12} \cdot \frac{14}{15} = -$$

$$\frac{9}{16} \cdot \frac{3}{4} = -$$

II. Integers.

田田田田

A. Write the addition problem represented by the picture. Solve.



B. Add.

$$-6+(-5)=$$

$$-6+(-5)=$$
  $12+(-14)=$ 

C. Subtract... NOT!

Example: 
$$-8-(-4)=-8+4=-4$$
Keep Change Change

II.	Use	the	Line	Plot	to	Ansu	ver.
	T	Vumber	of B	lue M	+Ms	in a ba	g.
		×	$\times$		$\times$	$\times$ $\times$ $\times$	
X		× ×	×		$\times$	XX	$\times$
8	16	24	32	40	48	56	64
Hou	n wan	y bag	s had	20 0	or few	er blue	M+Ms?
	w ma		ags h	ad m	iore t	han 4	8 blue
Fin	d th	e L	andma	rKs (	excep	t for t	he Mean.)
					model	(s): _	•
wa	่สาเพบส	n:		-	medi	an:	
< 7 3	inge:						

IV. Multiplying and Dividing Integers.

Remember Your Rules!

Positive times Positive = Positive (+)-(+)=(+)

Negative times Negative = Positive (-) - (-) = (+)

ABO

Positive times Negative = Negative (+)=(-)

Negative times Positive = Negative (-):(+)=(-)

$$\frac{-72}{9} = \frac{-6.7}{-4} = \frac{100}{-4}$$

$$\frac{-84}{-12} = -8.9 = -13.(-2) = -$$

I. Solve for the Un Known.

$$\frac{-36}{X} = 4 \times = -9$$

$$-7a = 56$$
  $a = 8$ 

$$\frac{-7a}{-7} = \frac{-56}{-7}$$

$$\frac{b}{-5} = 10$$
 Think:  $(10.-5)$ 

$$\frac{C}{-9} = -7$$

$$\frac{-72}{d} = -4$$

$$\frac{-56}{u} = -7$$

$$12b = -108$$

$$-67 = -96$$

$$\frac{e}{-4} = 16$$

$$\frac{q}{3} = -12$$
  $q =$ \_\_\_\_

$$\frac{42}{b} = 7 b =$$

$$\frac{c}{-5} = 15$$
 c=\_\_\_\_

$$\frac{9}{-9} = -9$$
  $9 = _____$ 

M. Percents.

A. Rewrite each fraction as a percent.

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

$$\frac{7}{8} = \frac{1}{5} = \frac{7}{25} = \frac{7}{25}$$

$$\frac{1}{3} = \frac{2}{3} = \frac{4}{5} = \frac{1}{5}$$

$$\frac{1}{6} = \frac{5}{6} = \frac{3}{5} = \frac{3}{5}$$

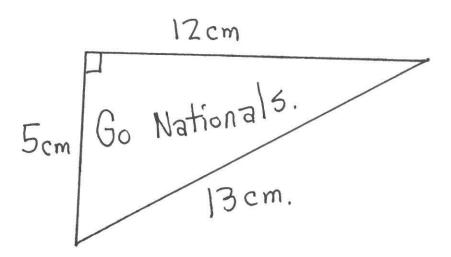
$$\frac{5}{9} = \frac{39}{50} = \frac{7}{11} =$$

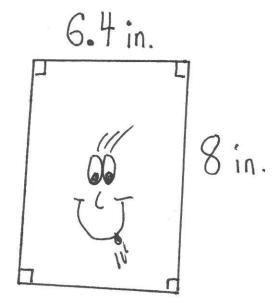
B. AMBMBS.

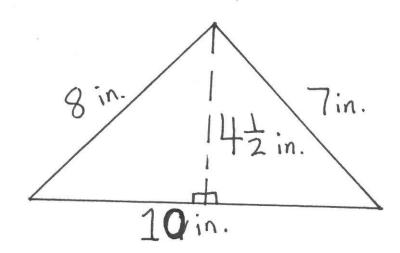
You spend \$89.54 for dinner (for you and a friend). You decided to leave a 202 tip. How much would you leave in all? To make things easier you rounded \$89.54 to the nearest 10.

On July 18th it snowed 28 inches and on July 19th it snowed 7 inches. (This is in the Andes in Chilie U). What was the percent of change?

M. Find the Area.







III. Exponential Notation.

$$7^2 = 10^\circ = 3^4 =$$

$$9^{3} =$$
  $6^{2} =$   $12^{1} =$ 

$$2^{5} = 5^{3} = 8^{2} =$$

$$10^6 = 3^3 = 4^2 =$$

$$x^2 = 81 \times = ___ b^2 = 121 = ____$$

$$x^2 = 144 \quad x =$$
  $v^2 = 289 \quad v =$ 

$$\sqrt{196} = \sqrt{100} =$$

IX. Math Vocabulary. I Know I bet that you bet that you were expecting whis section!
Sum Product * Quotient Factors *  * multiples *
The of 8 are 1, 2, 4 and 8.
12 is the of 20 and 8.
24 is the of 15 and 9.
The of 7 are 7,14,21,28
The of 42 and 7 is 6.
18 is the of 2 and 9.

B. Answer.



What is the difference of seven squared and three cubed?

What is the quotient of 12 squared and 2 cubed?

What is 15 more than the quotient of 48 and 6?

What is 24 fewer than the product of 10 and 13?

1 6	0	6
Logical	Reaso	oning.
		1

	2	9	16	8	7
Adam					
Diane					
Jonathan					
Danielle					
Karina		(s			,

	//	(	
		11	ke!
	66	-/+	(e)
- 1	5	9 9	
		W	9

The girls whose names begin with the same first letter favorite numbers are prime numbers.

2 3 The boys favorite numbers are square numbers.

103 3 The students with the same number of letters in their names favorite numbers are even numbers.

D. Answer.

Which number is the product of 8 and 4, tripled?

X. Solve and Check.

$$3x - 18 = 9$$
+ 18 + 18

$$3x - 18 = 9$$
 $+ 18$ 
 $+ 18$ 
 $3x = 27$ 
 $3$ 

$$6x - 36 = 42$$

Check

$$4x + 12 = 36$$

$$7x - 35 = 21$$

Check

$$12x + 2 = 74$$

Check

$$3 \times - 27 = 18$$

Check

Check

$$\frac{3}{4}$$
 x + 6 = 18

$$\frac{2}{3} \times -6 = 8$$

$$\frac{5}{6}$$
 x - 7 = 3

Check

$$X - \frac{2}{3} = \frac{1}{6}$$

$$X - \frac{3}{8} = \frac{7}{12}$$

$$X - \frac{5}{6} = \frac{9}{10}$$

$$\frac{\times}{8} = \frac{27}{72}$$

$$\frac{63}{91} = \frac{9}{b}$$

$$\frac{4}{C} = \frac{16}{28}$$

XI. Think About It and Answer.

The area of the rectanale is 48 cm? The perimeter is 38 cm. How long is each side?

