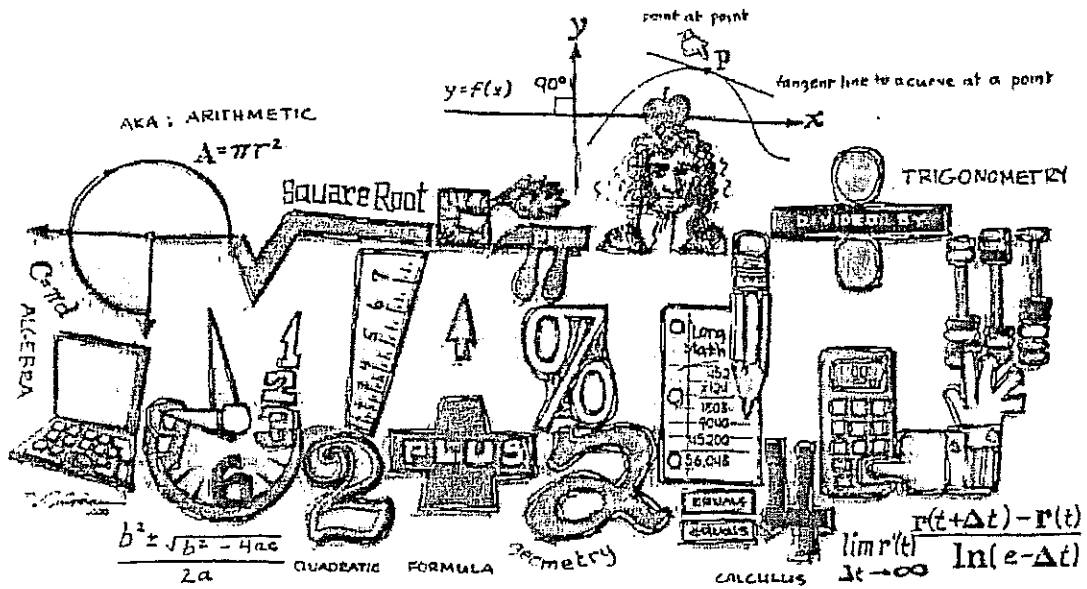


GRAYSLAKE MIDDLE SCHOOL

Summer Math Packet



for
8th Grade Math,
Algebra, & Geometry

Grayslake Middle School

Community Consolidated School District #46



Community Consolidated School District 46 will provide an educational environment that maximizes the potential of all students to be prepared for life's opportunities while developing a lasting appreciation for learning.

Dear Parents/Guardians:

This booklet has been prepared for students in order to enhance their mathematics skills over the summer months. The open-ended activities involve both skill development and problem solving. While most students should be able to do the pages independently, some students may need your help in developing a work plan and in managing their time. Students are expected to complete the entire packet and return it to school by the Friday of the second full week of school.

By fostering a positive approach to the completion of the mathematics packet, you will help your child to learn important math skills and concepts. In addition, your cooperation in assuring that the summer work is completed will contribute to your child's future success in middle school.

Best wishes to you and your family for an enjoyable summer!

Sincerely,

The Staff of GMS

TO ALL STUDENTS:

This packet is designed to help you remember the topics that you have covered this past year and to keep the concepts fresh in your mind for the coming school year.

You should do a little each week and not wait until the end of the summer to complete the work. It is important for you to know how to do the operations included **WITHOUT A CALCULATOR**. You must also **SHOW ALL OF YOUR WORK!**

Please take your time and do your best work. There will be time at the beginning of the year to ask a few questions, but the majority of the work must be completed before then. This packet is to be turned in to your math teacher no later than the Friday of the second full week of school. This packet is typically one of the first grades of the new school year.

Good luck and have a fun summer. See you next year!

The GMS Mathematics Teachers

Below are some websites that may assist you in figuring out how to do some of the problem in this packet:

www.aplusmath.com
www.math.com
www.mathisfun.com
www.aaamath.com
www.purplemath.com (Algebra)

FAQs

QUESTION: *How will the summer math packets be used when the students return to school?*

When the students return to school at the end of the summer, we will use these materials as one source to assess learning. Students will receive credit for returning the packet based on guidelines put in place by both the administration and teachers. In addition teachers will assess students based on the packet materials and this assessment will be used to identify needs of the students in the classroom. Most importantly, your son/daughter will have the confidence for the math to be learned in the coming year.

QUESTION: *What if I don't know the math or never found math to be my favorite subject?*

We are asking you to encourage your children to think of themselves as mathematicians who can reason and solve problems. Mathematics is their key to the future. Parents who communicate the importance of mathematics to their children can help them to develop confidence in their own math ability no matter what the comfort level of the parents. We need you to support this packet.

QUESTION: *Isn't this a lot to expect in one summer? Do they have to do it all?*

We do not expect students to do the packet all in one day! Or one sitting? Or the last week? Spread it out over the span of the two summer months. You know your children best. We expect to see a good effort for each student on his or her return.

QUESTION: *Can't we have an answer key?*

We are interested in assessing what our children have actually learned and retained. The packet will be an important tool for the classroom teacher to design lessons appropriate for the needs of the students in each class. Therefore, focus in on the children's attempting the work to the best of his/her ability. The assessment will tell where the child is, so we really want it to be the student's work rather than anyone else's.

Name _____

Adding/Subtracting Integers

Date _____ Period _____

Find each sum.

1) $(-12) + 7$

2) $(-10) + (-7)$

3) $(-6) + 12$

4) $8 + 7$

5) $3 + 4$

6) $(-45) + 9$

7) $(-1) + (-46)$

8) $(-30) + 10$

9) $(-34) + 50$

10) $38 + (-5)$

Find each difference.

11) $2 - (-2)$

12) $(-1) - 10$

13) $8 - 7$

14) $(-8) - (-6)$

$15) 11 - 4$

$16) 48 - (-31)$

$17) 18 - 41$

$18) (-38) - 30$

$19) (-1) - (-3)$

$20) (-1) - (-40)$

Evaluate each expression.

$21) (-10) - 47$

$22) (-29) - 29$

$23) 13 + (-29)$

$24) 38 + 22$

$25) (-32) - 44$

$26) (-12) + (-11)$

$27) 2 + 15 + 4$

$28) 16 + (-13) + 5$

$29) 2 - (-9) - 8$

$30) 10 + 3 - (-8)$

Name _____

Date _____ Period _____

Multiplying Integers

Find each product.

1) 6×-4

2) 4×2

3) 3×-4

4) -6×4

5) 5×-4

6) -3×4

7) -5×6

8) -2×-1

9) -8×-2

10) 11×12

11) -7×5

12) 9×-6

13) 10×5

14) 9×2

15) -12×7

16) 8×-12

17) $9 \times 10 \times 6$

18) $-6 \times -10 \times -8$

19) $7 \times 9 \times 7$

20) $6 \times 6 \times -2$

21) $-5 \times -4 \times -10$

22) $9 \times 9 \times -5$

23) $8 \times 3 \times 8$

24) $7 \times 5 \times -5$

Name _____

Date _____ Period _____

Dividing Integers

Find each quotient.

1) $35 \div -5$

2) $-8 \div 4$

3) $-24 \div 4$

4) $-8 \div -2$

5) $8 \div 4$

6) $-24 \div 8$

7) $-21 \div 7$

8) $6 \div -6$

9) $-132 \div -11$

10) $-60 \div -15$

11) $-52 \div -4$

12) $60 \div 12$

$$13) 6 \div -1$$

$$14) 75 \div 15$$

$$15) 65 \div -13$$

$$16) 12 \div 4$$

$$17) -168 \div -12$$

$$18) -8 \div 2$$

$$19) \frac{-105}{7}$$

$$20) \frac{-4}{-1}$$

$$21) \frac{-10}{-2}$$

$$22) \frac{-144}{12}$$

$$23) \frac{24}{-12}$$

$$24) \frac{60}{-15}$$

Name _____

Date _____ Period _____

The Distributive Property

Simplify each expression.

1) $6(1 - 5m)$

2) $-2(1 - 5v)$

3) $3(4 + 3r)$

4) $3(6r + 8)$

5) $4(8n + 2)$

6) $-(-2 - n)$

7) $-6(7k + 11)$

8) $-3(7n + 1)$

9) $-6(1 + 11b)$

10) $-10(a - 5)$

11) $-3(1 + 2v)$

12) $-4(3x + 2)$

13) $(3 - 7k) \cdot -2$

14) $-20(8x + 20)$

15) $(7 + 19b) \cdot -15$

16) $(x + 1) \cdot 14$

Name _____

Date _____ Period _____

Simplifying Variable Expressions

Simplify each expression.

1) $-3p + 6p$

2) $b - 3 + 6 - 2b$

3) $7x - x$

4) $7p - 10p$

5) $-10v + 6v$

6) $-9r + 10r$

7) $9 + 5r - 9r$

8) $1 - 3v + 10$

9) $5n + 9n$

10) $4b + 6 - 4$

11) $35n - 1 + 46$

12) $-33v - 49v$

13) $30n + 8n$

14) $7x + 31x$

15) $10x + 36 - 38x - 47$

16) $-2(7 - n) + 4$

17) $-8(-5b + 7) + 5b$

18) $-4p - (1 - 6p)$

19) $4 - 5(-4n + 3)$

20) $-7(k - 8) + 2k$

21) $1 + 7(1 - 3b)$

22) $3 - 8(7 - 5n)$

Name _____

Date _____ Period _____

Order of Operations

Evaluate each expression.

1) $(30 - 3) \div 3$

2) $(21 - 5) \div 8$

3) $1 + 7^2$

4) $5 \times 4 - 8$

5) $8 + 6 \times 9$

6) $3 + 17 \times 5$

7) $7 + 12 \times 11$

8) $15 + 40 \div 20$

9) $20 + 16 - 15$

10) $19 - 15 - 3$

11) $9 \times (3 + 3) \div 6$

12) $(9 + 18 - 3) \div 8$

$$13) 9 + 6 \div (8 - 2)$$

$$14) 4(4 \div 2 + 4)^2$$

$$15) 6 + (5 + 8) \times 4$$

$$16) 6 \times 6 - (7 + 5)$$

$$17) (9 \times 2) \div (2 + 1)$$

$$18) 2 - (4 + 3 - 6)$$

$$19) 7 \times 7 - (8 - 2)$$

$$20) 9 - 7 - 6 \div 6$$

$$21) (4 - 1 + 8 \div 8) \times 5$$

$$22) (10 \times 2) \div (1 + 1)$$

$$23) 7 \times 9 - 7 - 3 \times 5$$

$$24) 8 - 1 - (18 - 2) \div 8$$

Name _____

Date _____ Period _____

Evaluating Variable Expressions

Evaluate each using the values given.

1) $n^2 - m$; use $m = 7$, and $n = 8$

2) $8(x - y)$; use $x = 5$, and $y = 2$

3) $yx \div 2$; use $x = 7$, and $y = 2$

4) $m - n \div 4$; use $m = 5$, and $n = 8$

5) $x - y + 6$; use $x = 6$, and $y = 1$

6) $z + x^3$; use $x = 1$, and $z = 19$

7) $y + yx$; use $x = 15$, and $y = 8$

8) $q \div 6 + p$; use $p = 10$, and $q = 12$

9) $x + 8 - y$; use $x = 20$, and $y = 17$

10) $15 - (m + p)$; use $m = 3$, and $p = 10$

11) $10 - x + y \div 2$; use $x = 5$, and $y = 2$

12) $p - 2 + qp$; use $p = 7$, and $q = 4$

13) $zy + 4y$; use $y = 5$, and $z = 2$

14) $b(a + b) + a$; use $a = 9$, and $b = 4$

15) $p^2 \div 4 - m$; use $m = 3$, and $p = 4$

16) $x(y \div 3)^2$; use $x = 4$, and $y = 9$

17) $4 + m + n - m$; use $m = 4$, and $n = 9$

18) $qp + q - p$; use $p = 7$, and $q = 3$

19) $mn \div 6 + 10$; use $m = 7$, and $n = 6$

20) $h + j(j - h)$; use $h = 2$; and $j = 6$

21) $(b - 1)^2 + a^2$; use $a = 6$, and $b = 1$

22) $y(x - (9 - 4y))$; use $x = 4$, and $y = 2$

23) $x - (x - (x - y^3))$; use $x = 9$, and $y = 1$

24) $j(h - 9)^3 + 2$; use $h = 9$, and $j = 8$

Name _____

Date _____ Period _____

One-Step Equations With Integers

Solve each equation.

1) $v - 10 = -9$

2) $v - 10 = -3$

3) $x - 3 = 4$

4) $\frac{x}{5} = 2$

5) $22 = -11k$

6) $-13m = -377$

7) $b - 7 = -1$

8) $-8 = p - 13$

9) $-40 = -5p$

10) $418 = -22a$

11) $\frac{a}{29} = 5$

12) $-2 = \frac{m}{16}$

13) $x - 11 = 16$

14) $-10 = x - 21$

$$15) 20 = \frac{n}{4}$$

$$16) n - 29 = -53$$

$$17) -19 = b - 6$$

$$18) -8 = -16 + n$$

$$19) -9 + x = -26$$

$$20) 29 + n = 13$$

$$21) 21 = \frac{x}{18}$$

$$22) k + 1 = -27$$

$$23) 6 = m - 16$$

$$24) 5 = v + 29$$

$$25) 168 = -84n$$

$$26) 41k = -2747$$

$$27) \frac{x}{15} = 11$$

$$28) -71 = \frac{x}{64}$$

Two-Step Equations With Integers

Solve each equation.

1) $\frac{r}{10} + 4 = 5$

2) $\frac{n}{2} + 5 = 3$

3) $3p - 2 = -29$

4) $1 - r = -5$

5) $\frac{k-10}{2} = -7$

6) $\frac{n-5}{2} = 5$

7) $-9 + \frac{n}{4} = -7$

8) $\frac{9+m}{3} = 2$

9) $\frac{-5+x}{22} = -1$

10) $4n - 9 = -9$

11) $\frac{x+9}{2} = 3$

12) $\frac{-12+x}{11} = -3$

13) $\frac{-4+x}{2} = 6$

14) $-5 + \frac{n}{3} = 0$

$$15) \frac{p}{4} + 8 = 7$$

$$16) 9 + \frac{n}{4} = 15$$

$$17) 6 + \frac{x}{2} = 4$$

$$18) \frac{b+11}{3} = -2$$

$$19) \frac{a-10}{3} = -4$$

$$20) -12r + 4 = 100$$

$$21) \frac{m}{16} - 9 = -8$$

$$22) -7 + 4r = -15$$

$$23) \frac{m-13}{2} = -8$$

$$24) -5x + 13 = -17$$

$$25) \frac{k+10}{-2} = 5$$

$$26) \frac{p+8}{-2} = 10$$

$$27) -14r - 19 = 303$$

$$28) \frac{x}{-4} - 5 = -8$$

Name _____

Date _____ Period _____

Two-Step Equation Word Problems

- 1) 331 students went on a field trip. Six buses were filled and 7 students traveled in cars. How many students were in each bus?
- 2) Aliyah had \$24 to spend on seven pencils. After buying them she had \$10. How much did each pencil cost?
- 3) The sum of three consecutive numbers is 72. What are the smallest of these numbers?
- 4) The sum of three consecutive even numbers is 48. What are the smallest of these numbers?
- 5) You bought a magazine for \$5 and four erasers. You spent a total of \$25. How much did each eraser cost?
- 6) Maria bought seven boxes. A week later half of all her boxes were destroyed in a fire. There are now only 22 boxes left. With how many did she start?
- 7) Sumalee won 40 super bouncy balls playing horseshoes at her school's game night. Later, she gave two to each of her friends. She only has 8 remaining. How many friends does she have?
- 8) Imani spent half of her weekly allowance playing mini-golf. To earn more money her parents let her wash the car for \$4. What is her weekly allowance if she ended with \$12?

9) Aliyah had some candy to give to her four children. She first took ten pieces for herself and then evenly divided the rest among her children. Each child received two pieces. With how many pieces did she start?

10) How old am I if 400 reduced by 2 times my age is 244?

11) Jill sold half of her comic books and then bought sixteen more. She now has 36. With how many did she begin?

12) For a field trip 4 students rode in cars and the rest filled nine buses. How many students were in each bus if 472 students were on the trip?

13) On Tuesday Shanice bought five hats. On Wednesday half of all the hats that she had were destroyed. On Thursday there were only 17 left. How many did she have on Monday?

14) The Cooking Club made some pies to sell at a basketball game to raise money for the new math books. The cafeteria contributed four pies to the sale. Each pie was then cut into five pieces and sold. There were a total of 60 pieces to sell. How many pies did the club make?

Name _____

Date _____ Period _____

Multi-Step Equations

Solve each equation.

1) $6a + 5a = -11$

2) $-6n - 2n = 16$

3) $4x + 6 + 3 = 17$

4) $0 = -5n - 2n$

5) $6r - 1 + 6r = 11$

6) $r + 11 + 8r = 29$

7) $-10 = -14v + 14v$

8) $-10p + 9p = 12$

9) $42 = 8m + 13m$

10) $a - 2 + 3 = -2$

11) $18 = 3(3x - 6)$

12) $30 = -5(6n + 6)$

$$13) 37 = -3 + 5(x + 6)$$

$$14) -13 = 5(1 + 4m) - 2m$$

$$15) 4(-x + 4) = 12$$

$$16) -2 = -(n - 8)$$

$$17) -6(1 - 5v) = 54$$

$$18) 8 = 8v - 4(v + 8)$$

$$19) 10(1 + 3b) = -20$$

$$20) -5n - 8(1 + 7n) = -8$$

$$21) 8(4k - 4) = -5k - 32$$

$$22) -8(-8x - 6) = -6x - 22$$

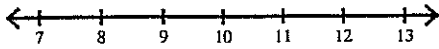
$$23) 8(1 + 5x) + 5 = 13 + 5x$$

$$24) -11 - 5a = 6(5a + 4)$$

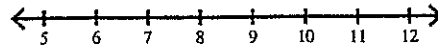
Solving One-Step Inequalities by Adding/Subtracting Date _____ Period _____

Solve each inequality and graph its solution.

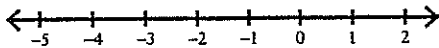
1) $x + 8 \geq 18$



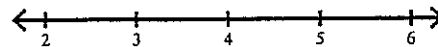
2) $x - 1 > 6$



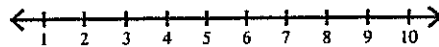
3) $-7 + x \geq -8$



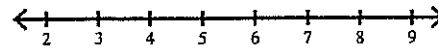
4) $x - 1 \leq 3$



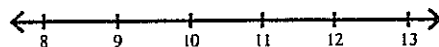
5) $n - 2 \leq 4$



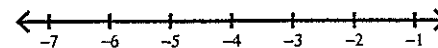
6) $v - 1 < 3$



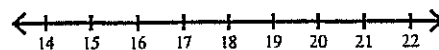
7) $-18 + n < -7$



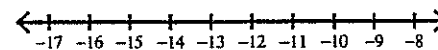
8) $r + 13 < 9$



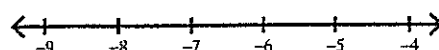
9) $n - 4 \geq 13$



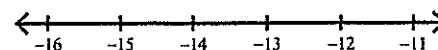
10) $p + 8 > -4$



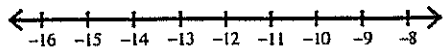
11) $17 + k \leq 10$



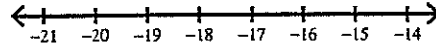
12) $-2 + x \leq -16$



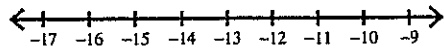
13) $-28 < v - 16$



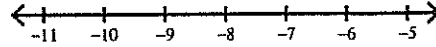
14) $n - 2 > -20$



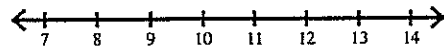
15) $x - 7 < -20$



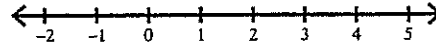
16) $x + 13 \geq 5$



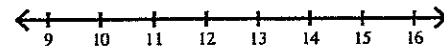
17) $x - 10 > -1$



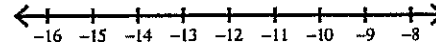
18) $x - 12 < -11$



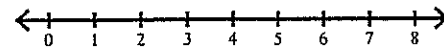
19) $r - 2 > 11$



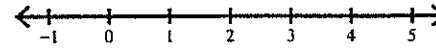
20) $9 + n > -4$



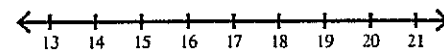
21) $20 \geq p + 16$



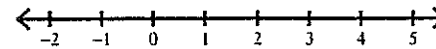
22) $11 \geq 8 + n$



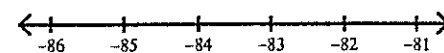
23) $6 > -11 + a$



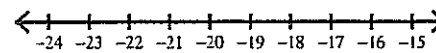
24) $p - 6 \geq -3$



25) $n - 83 > -166$



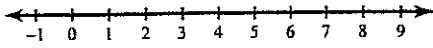
26) $-3 \geq x + 16$



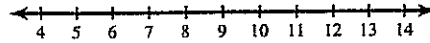
Solving One-Step Inequalities by Multiplying/Dividing Date _____ Period _____

Solve each inequality and graph its solution.

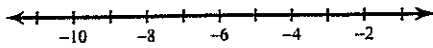
1) $-4m \geq -4$



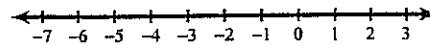
2) $\frac{n}{5} \leq 2$



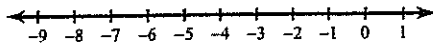
3) $-4r > 16$



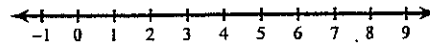
4) $\frac{n}{2} < 0$



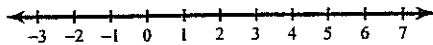
5) $\frac{x}{5} \leq -\frac{3}{5}$



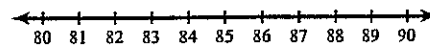
6) $\frac{x}{2} \geq 3$



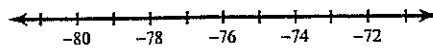
7) $14v \leq 14$



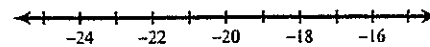
8) $\frac{b}{6} > 14$



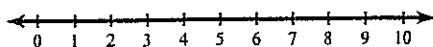
9) $\frac{a}{6} < -13$



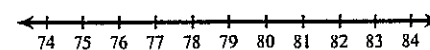
10) $\frac{n}{3} \geq -6$



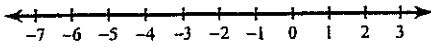
11) $-10x < -80$



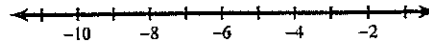
12) $\frac{k}{13} \leq 6$



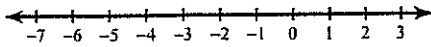
13) $4x \geq -20$



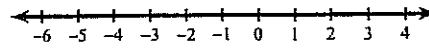
14) $60 < -10a$



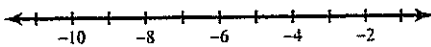
15) $8 > 8n$



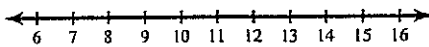
16) $0 \geq -2p$



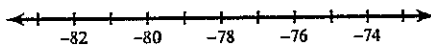
17) $24 \geq -4n$



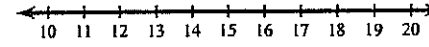
18) $4x \leq 40$



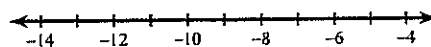
19) $-10 < \frac{r}{8}$



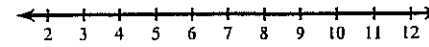
20) $\frac{m}{3} \leq 5$



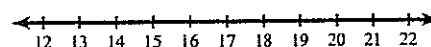
21) $-2 \geq \frac{n}{3}$



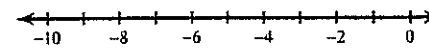
22) $\frac{7}{3} \leq \frac{p}{3}$



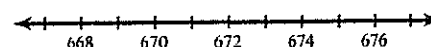
23) $\frac{b}{2} < 7$



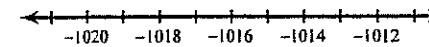
24) $-12 < 3x$



25) $42 > \frac{x}{16}$



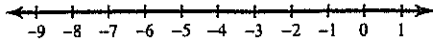
26) $\frac{v}{29} \geq -35$



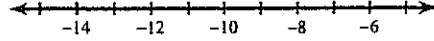
Solving Two-Step Inequalities

Solve each inequality and graph its solution.

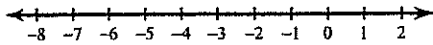
1) $\frac{n}{3} + 2 > 0$



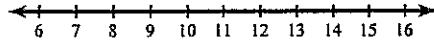
2) $\frac{p}{9} - 1 \leq -2$



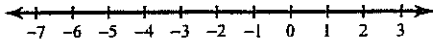
3) $\frac{x}{1} + 5 > 5$



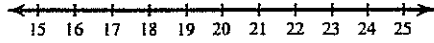
4) $\frac{1+m}{9} \geq 1$



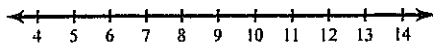
5) $-2r - 2 \leq 4$



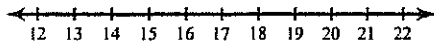
6) $8x + 2 \leq 138$



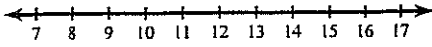
7) $3 + \frac{b}{9} < 4$



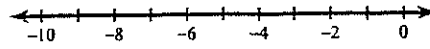
8) $9 + \frac{n}{2} > 16$



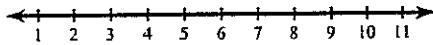
$$9) -7v + 5 \geq -79$$



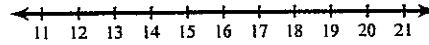
$$10) \frac{n+3}{2} > -2$$



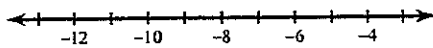
$$11) 4 > \frac{a+1}{2}$$



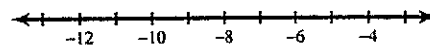
$$12) -2 + \frac{x}{2} > 6$$



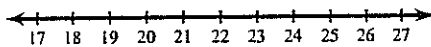
$$13) 60 > 5 - 5n$$



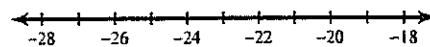
$$14) \frac{x+1}{2} \geq -4$$



$$15) 6 \leq 5 + \frac{p}{20}$$



$$16) -18 + \frac{k}{3} \leq -26$$



Proportion Word Problems

Answer each question and round your answer to the nearest whole number.

- 1) If you can buy one can of pineapple chunks for \$2 then how many can you buy with \$10?
- 2) One jar of crushed ginger costs \$2. How many jars can you buy for \$4?
- 3) One cantaloupe costs \$2. How many cantaloupes can you buy for \$6?
- 4) One package of blueberries costs \$3. How many packages of blueberries can you buy for \$9?
- 5) Shawna reduced the size of a rectangle to a height of 2 in. What is the new width if it was originally 24 in wide and 12 in tall?
- 6) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for \$2. How many Tala would she get if she exchanged \$6?
- 7) Jasmine bought 32 kiwi fruit for \$16. How many kiwi can Lisa buy if she has \$4?
- 8) If you can buy four bulbs of elephant garlic for \$8 then how many can you buy with \$32?
- 9) One bunch of seedlees black grapes costs \$2. How many bunches can you buy for \$20?
- 10) The money used in Jordan is called the Dinar. The exchange rate is \$3 to 2 Dinars. Find how many dollars you would receive if you exchanged 22 Dinars.

11) Gabriella bought three cantaloupes for \$7. How many cantaloupes can Shayna buy if she has \$21?

12) Jenny was planning a trip to the United Arab Emirates. Before going, she did some research and learned that the exchange rate is 4 Dirhams for every \$1. How many Dirhams would she get if she exchanged \$5?

13) Castel bought four bunches of fennel for \$9. How many bunches of fennel can Mofor buy if he has \$18?

14) If you can buy one fruit basket for \$30 then how many can you buy with \$60?

Answer each question. Round your answer to the nearest tenth. Round dollar amounts to the nearest cent.

15) Asanji took a trip to Mexico. Upon leaving he decided to convert all of his Pesos back into dollars. How many dollars did he receive if he exchanged 42.7 Pesos at a rate of $\$5.30 = 11.1$ Pesos?

16) The currency in Argentina is the Peso. The exchange rate is approximately $\$3 = 1$ Peso. At this rate, how many Pesos would you get if you exchanged \$121.10?

17) Mary reduced the size of a painting to a width of 3.3 in. What is the new height if it was originally 32.5 in tall and 42.9 in wide?

18) Molly bought two heads of cabbage for \$1.80. How many heads of cabbage can Willie buy if he has \$28.80?

Name _____

Date _____ Period _____

Markup, Discount, and Tax

Find the selling price of each item.

- 1) Cost of a sled: \$99.50
Markup: 95%
- 2) Cost of a comic book: \$3.95
Markup: 20%
- 3) Cost of an oil change: \$18.00
Markup: 70%
- 4) Cost of a CD: \$14.50
Markup: 30%
- 5) Cost of an MP3 player: \$129.50
Markup: 60%
- 6) Cost of an oil change: \$21.95
Markup: 65%
- 7) Cost of a pen: \$0.95
Markup: 60%
- 8) Cost of a computer: \$1,850.00
Markup: 75%
- 9) Original price of concert tickets: \$100.00
Discount: 21%
- 10) Original price of a book: \$18.50
Discount: 45%
- 11) Original price of a telescope: \$99.99
Discount: 13%
- 12) Original price of a CD: \$22.99
Discount: 5%

13) Original price of a sled: \$99.50
Discount: 50%

14) Original price of a camera: \$554.99
Discount: 48%

15) Original price of a CD: \$17.00
Discount: 50%

16) Original price of a CD: \$22.95
Discount: 10%

17) Original price of a book: \$49.95
Tax: 3%

18) Original price of a book: \$90.50
Tax: 4%

19) Original price of an MP3 player: \$99.50
Tax: 4%

20) Original price of a microphone: \$129.99
Tax: 1%

21) Original price of a pen: \$1.50
Tax: 4%

22) Original price of shorts: \$19.99
Tax: 2%

23) Original price of an SUV: \$42,000.00
Tax: 3%

24) Original price of a goldfish: \$1.50
Tax: 5%

