## STUDENTS ENTERING MATH

Shepherd Middle School

Summer Packet Math 1 Answer Key



Find the prime factorization of each number.

Find the GCF of each set of numbers.

Find the LCM of each set of numbers.

Circle whether it is even or odd. Then, tell whether each number is divisible by 2,5,4,5,6,9, or 10.

71.78

Circle one (Even)or Odd

Write yes or no in each space:



11 5,305

Circle one Even of Odd

Write yes or no in each space.

Write each ratio/rate in simplest form. Don't forget to LABELII

9) A class has 5 boys and 15 girls. What is the ratio of boys to girls?

| b | 5 | 15 | 3

10) An animal shelter has 36 kiltens and 12 pupples available for adoption. What is the ratio of kiltens to pupples?

Write each rate as a UNIT RATE in simplest form. Don't forget to

- 11) David printed 24 photos in 8 minutes. How many \$ photos | musual2 photos did he print per minute?
- 12) Vinny decorated 72 cookies in 36 minutes. How many cookies did be decorate per minute?

2 crokers / minute

13: Amy is training for a half marathon. In practice, she runs 2 miles in 15 minutes. If she continues at the same rate, how many miles will she run in an hour? Bmiles in an hr

Miles	2	14	B
Minutes	15	30	60

Number System 6N5

Add or Subtract. Show ALL work!

Multiply. Show ALL Work!

2

M

Divide. Round to the nearest TENTH if necessary!! Show ALL Workill

Order the following from least to greatest:

Find the percent of each number.

Solve the following percent problems with a proportions

## Order the integers from greatest to least.

33) 75, -5, -11, 131

13.5, -5, -11

34) (-8, 25, 32, -16)

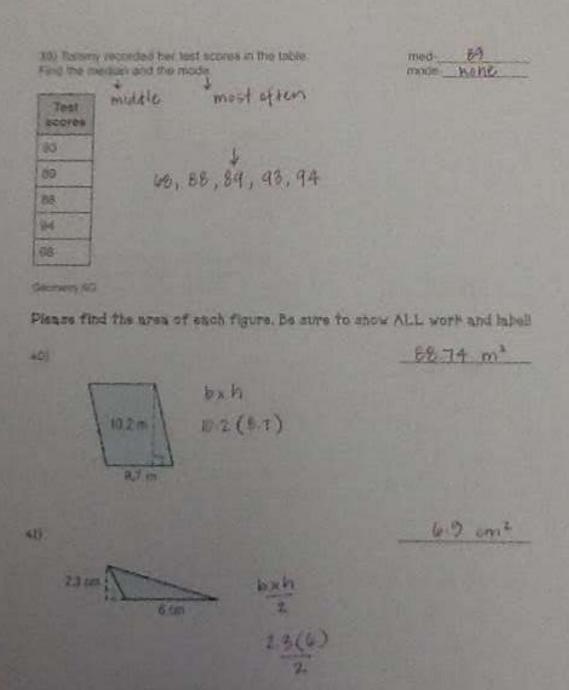
32, 25, -8, -16

Equations 666 Directions: Show all your work and your check!

Dominia SSP.

35) Tine betyset eight times. Sine earners \$15, \$30, \$10, \$12, \$20, \$16, \$30, and \$18. What is the georage arrested of exchany site made. 23.88

Sam + 151 x 28.675



$$\begin{array}{c|c}
 & 12 \text{ yd} \\
\hline
 & 14 \text{ yd} \\
\hline
 & 18 \text{ yd}
\end{array}$$

$$\begin{array}{c}
 & (b+b)h \\
\hline
 & 2 \\
\hline
 & 2
\end{array}$$

$$\frac{\sqrt{h}}{\sqrt{h}} = 80$$

$$\frac{32h}{2} = 80$$

$$16h = 80$$

