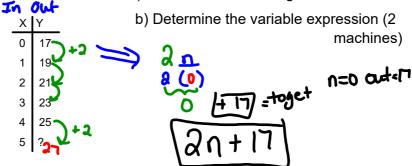


#2 Here is a table of values. a) Determine the missing number



15

14

#3Write the numerical expression for

- a) Kim goes to the store and buys 5 newspapers that are \$3 each and 2 sandwiches that are \$7 each.
- b) Jason has 243 hockey cards. He gives away 3 hockeu card to each of his 2 friends

  243 3x2

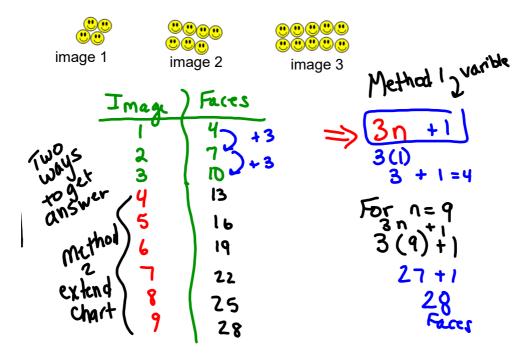
  243 1

#4Write the variable expression for the following

- a) 7 more then triple a number 3n + 7 or 7 + 3r
- b) Ken shares his jellybeans among 4 friends
- c) a number is decreased by 10

$$n - 10$$

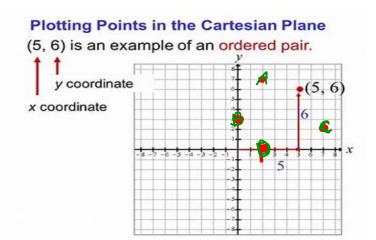
#5Given the following patterns of shapes, predict the number of faces in the 9th image



Write the coordinatesfor each of the following.

A (2,7)
B (0,3)
C (7,2)
D (2,0)

Start at + origin

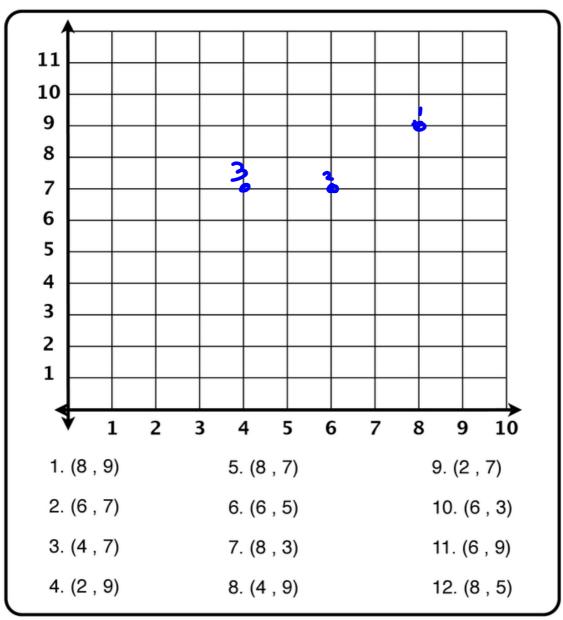


#6) Plot th	e points
-------------	----------

Name:			
maille.			

## Coordinates

**<u>Directions</u>**: Plot the points below by starting with the X-axis (horizontal) and moving up the y-axis (vertical). Draw a dot where the two numbers meet on the coordinate plane.



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## BEDMAS is order of operations

**Brackets first** 

Division or Multiplication in the order of left to right Adding or Subtraction in the order of left to right

#7) Evaluate (Which means find the answer)

a) 
$$10 - 3 \times 4 \div 2$$
  
=  $10 - 12 \div 3$   
=  $10 - 6$   
=  $2 + 13 \times 4$   
=  $2 + 53$   
=  $54$ 

Understanding equality

#8)Are the following equal

a) 
$$\frac{2 \times 3 + 7 - 1}{6 + 3 - 1}$$
  $\frac{9 - 4 + 5}{5 + 5}$   
b)  $\frac{36 + 27 - 45}{63 - 45}$   $\frac{6 \times 3}{18}$ 

Page 40-41

#2a) d)

#3) a, b, c, d

#4) a, b, c,

#6) abc

#8a

Unit 2) Understanding Numbers

Dec 17

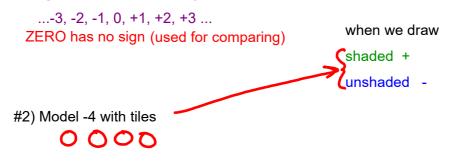
Study your place values of decimals and large numbers

billions millionths #1 T T TITI TIT a) Write the expanded form of 203 621 765 **≤** 50 00000+ 600 000+ b) Write the written (reading) form of 203 621 765 two hundred three million Six hundred twenty-one thousand Seven hundred sixty-five c) Write the expanded decimal form of 2.308 25 2 ones + 3 knows at 8 thousandths + 2 ten thousandths + 0.001 + 0.00035 hunder d) Write the written (how you read) form of 2.308 25 two and three hundred eight thousandths twenty-five hundred thousand ths e) Given 765 213 625 What is the relation of the 6's? hundred s 100 000 times larger than hundred (f) How many times larger is 100 000 000 than 1000? 1 thousand 100 million 100 million is 100 000 times larger than 1000.





**Integers** are positive or negative whole numbers



b) Model +7 with tiles



**Opposite integers** same number with different signs.

They have an equal distance from zero

Example: +7 and -7 are opposites

## **Comparing Integers**

The more negative you are the smaller you are (Owe the most money is negative)

Any positive number is larger than any negative

#3
Put the following integers in order from largest to smallest

$$-17$$
,  $+25$ ,  $-3$ ,  $-5$ ,  $-19$ ,  $+12$ ,  $+4$ ,  $0$ 

125,  $+12$ ,  $+4$ ,  $0$ ,  $-3$ ,  $-5$ ,  $-17$ ,  $-19$ 

#4) Compare using < or >

a)  $+10 \ge -20$  b)  $-1 \ge -16$  c)  $+5 \le +30$ 

Think multiplication chart

#6) List the first 4 multiples of 5.

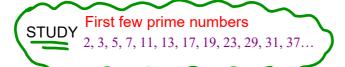
- <u>Factor</u> a number that is multiplied by another to give a product.
- a number that divides evenly into another number



## **Definitions**

• Prime Number – a number that has only two factors, itself and 1.

Example: 7 is *prime* because the only numbers that will divide into it evenly are 1 and 7.





- Composite number a number that has more than two factors.
  - ex) 8 is a composite number

$$2 \times 4 = 8$$

so 8 has the factors 1, 2, 4, 8

#7) list the factors of 24

$$\begin{vmatrix}
1 \times 24 \\
2 \times 12
\end{vmatrix}$$
 $\begin{vmatrix}
3 \times 8 \\
4 \times 6
\end{vmatrix}$ 

#8) list the factors of 16

 $\begin{vmatrix}
1 \times 16 \\
2 \times 8 \\
4 \times 9
\end{vmatrix}$ 
 $\begin{vmatrix}
4 \times 9 \\
16 \Rightarrow 1,2,4,8,16
\end{vmatrix}$ 

#9) Find the common factors of 18 and 42

```
Page 82 -83
  #1abc
                                   Page 40-41
  #2a
                                   #2a) d)
  #3
                                   #3) a, b, c, d
  #5
                                   #4) a, b, c,
  #7
                                   #6) abc
  #8
                                   #8a
  #9ac
  #10a
  #12ab
  #15abc,
#16 abc (No number line just order)
```

Unit 1 to 7 Test OUTLINE Assignment PDF.pdf