

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Number	List all the <b>factors</b> of the number	List two <b>multiples</b> of the number	Label the number <b>P</b> for <b>Prime</b> <u>or</u> Label the number <b>C</b> for <b>Composite</b>
9	<b>1,3,9</b>	<b>9 18 27 36 54...</b> (any number with a factor of 9)	<b>C</b>
11	<b>1,11</b>	<b>11 22 33 44 55...</b> (any number with a factor of 11)	<b>P</b>
18	<b>1,2,3,6,9,18</b>	<b>18 36 54 72 90...</b> (any number with a factor of 18)	<b>C</b>
20	<b>1,2,4,5,10,20</b>	<b>20 40 60 80 100...</b> (any number with a factor of 20)	<b>C</b>
24	<b>1,2,3,4,6,8,12,24</b>	<b>24 48 62 86 120...</b> (any number with a factor of 24)	<b>C</b>
25	<b>1,5,25</b>	<b>25 50 75 100 125...</b> (any number with a factor of 25)	<b>C</b>

**factor:** a number or numbers used to multiply and produce a new number (*2 is a factor of 4 because  $2 \times 2 = 4$* )

**multiple:** a number that can be divided without a remainder (*4 is a multiple of 2 because  $4 \div 2 = 2$* )

**prime:** a whole number with two factors, the number 1 and the number itself (*3 is a prime number,  $3 \times 1 = 3$* )

**composite:** a whole number with more than two factors (*6 is a composite number,  $1 \times 6 = 6$  and  $2 \times 3 = 6$* )

**equation:** a statement that shows values are equal ( *$2 \times 5 = 10$  is an equation*)

<p>Write down three <b>Prime</b> numbers <i>Example: 2</i></p> <p>2,3,5,7,11,13,15,17, 19,23,29,31,37,41,43,47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97 (factors = 1 and itself)</p>	<p>Write down three <b>Composite</b> numbers <i>Example: 4</i></p> <p>4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 33, 34, 35, 36, 38, 39, 40, 42, 44, 45, 46, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 60, 62, 63, 64, 65, 66, 68, 69, 70, 72, 74, 75, 76, 77, 78, 80, 81, 82, 84, 85, 86, 87, 88, 90, 91, 92, 93, 94, 95, 96, 98, 99, 100</p>	<p>Make three <b>equations</b> <i>Example: <math>2 \times 4 = 8</math></i></p> <p>(any combination) <b>Prime x Composite</b> <b>Prime x Prime</b> <b>Composite x Composite</b></p>
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Write an **equation** for each of the problems and then find the solution:

Dilan has 13 worms in his worm farm. Hunter has 2 times as many worms in his worm farm. How many worms does Hunter have in his worm farm?

Equation:  $13 \times 2 = 26$

Show your work, show your solution here...

**Show words OR numbers OR symbols OR any combination of words, numbers, symbols**  
**Show 26 worms**

Melody has 9 gems. Eva bought 3 times as many at the school store. How many gems does Eva have?

Equation:  $9 \times 3 = 27$

Show your work, show your solution here...

**Show words OR numbers OR symbols OR any combination of words, numbers, symbols**  
**Show 27 gems**

Sohab has twice as many Prodigy pets than Adrian. If Adrian says that he has 10 Prodigy pets, how many pets does Sohab have?

Equation:  $2 \times 10 = 20$

Show your work, show your solution here...

**Show words OR numbers OR symbols OR any combination of words, numbers, symbols**  
**Show 20 Prodigy pets**

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Fill the blanks in the **ratio table** to solve

The Native Littleneck Clam lives in some tidal zones of Washington State. Native Littleneck Clams might not grow as big as a Butter Clam but both types of clams have the same limit per person when you visit tidal zones to harvest them to eat.

Number of People	1	2	3	4	5	6	7
Daily Limit of Clams by Pound	10 pounds	20 pounds	<b>30 pounds</b>	<b>40 pounds</b>	50 pounds	60 pounds	<b>70 pounds</b>

Write an equation to show the Daily Limit of Clams by Pound if 10 people wanted to harvest Native Littleneck Clams.

Equation:  **$10 \times 10 = 100$**

Fill the blanks in the **ratio table** to solve

In order to harvest Native Littleneck Clams in Washington State you need to pay for a Shellfish license (Clams are shellfish. I hope you are never shellfish...get it?!?!). The license is free for children and costs \$20.00 for adults.

Number of Adults	1	2	3	4	5	6	7
Shellfish License Fee	\$20.00	\$40.00	<b>\$30.00</b>	<b>\$40.00</b>	\$50.00	\$60.00	<b>\$70.00</b>

Write an equation to show the Shellfish License Fee if 10 people wanted to harvest Native Littleneck Clams.

Equation:  **$10 \times 20 = 200$**