

# Grade 6 Math Homework

October 1<sup>st</sup>-4<sup>th</sup>

Please answer these questions in your math homework notebook. Make sure to clearly write the date and label each of your answers. If you have any questions about this work, please see Ms. Delorme or Mrs. Marshall before Friday.

1. List all the factors of each number.

a) 15 \_\_\_\_\_ b) 18 \_\_\_\_\_ c) 27 \_\_\_\_\_

d) 34 \_\_\_\_\_ e) 8 \_\_\_\_\_ f) 5 \_\_\_\_\_

Tell if each number in question 1 is prime or composite.

a) \_\_\_\_\_ b) \_\_\_\_\_ c) \_\_\_\_\_

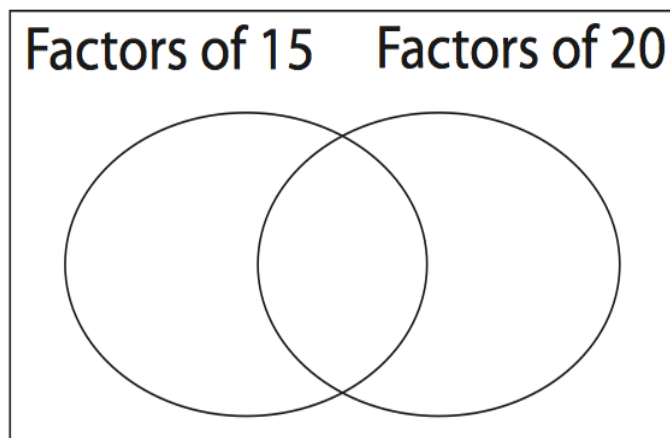
d) \_\_\_\_\_ e) \_\_\_\_\_ f) \_\_\_\_\_

Write 2 numbers less than 50 that have exactly 3 factors.

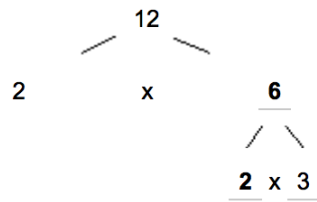
---

2. Use the Venn diagram to show the factors of 15 and 20.

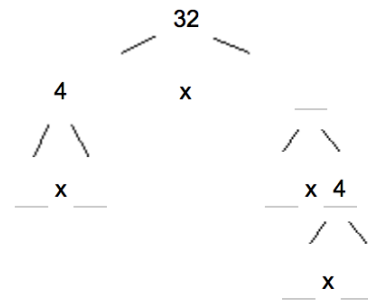
What are the common factors? \_\_\_\_\_



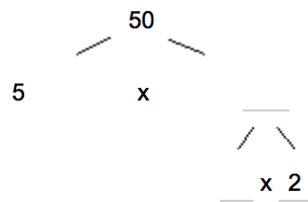
3. Fill in the missing numbers in the factor trees then write the prime factorization (the first one is done for you):



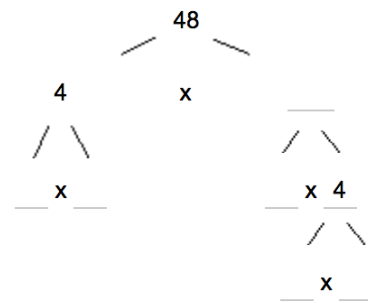
Prime Factorization:  $2 \times 2 \times 3$



Prime Factorization: \_\_\_\_\_



Prime Factorization: \_\_\_\_\_



Prime Factorization: \_\_\_\_\_

4. Consider how 30 is written below as the product of prime numbers.

$$30 = 2 \times 3 \times 5$$

Write 168 as the product of prime numbers.

Show your work.

5. Which of the following is a factor of 70 but is not a prime number?

- a. 10
- b. 7
- c. 4
- d. 2

6. A package of 3 pairs of socks costs \$3.90. What is the cost of one pair of socks?

- a \$1.30
- b \$1.90
- c \$6.90
- d \$11.70