

Power Standard 4

Practice Test

Vocabulary:

1) Improper fraction

- a. A fraction with a numerator less than the denominator.
- b. A fraction that can be reduced.
- c. A fraction that has a value greater than one.



2) Multiples

- a. The top number of an improper fraction.
- b. A list of whole numbers that result from multiplying a whole number by 1, 2, 3, 4 etc.
- c. A list of whole numbers that can be multiplied together to get another whole number.

3) LCM

- a. Used for adding and subtracting fractions, it's the least common median
- b. Used for reducing fractions, it's the largest common multiple
- c. Used for adding and subtracting fractions, it's the least common multiple

4) Factors

- a. The whole number in a mixed number.
- b. A list of whole numbers that result from multiplying a whole number by 1, 2, 3, 4 etc.
- c. A list of whole numbers that can be multiplied together to get another whole number.

5) GCF

- a. Used for reducing fractions, it's the greatest common fraction
- b. Used for reducing fractions, it's the greatest common factor
- c. Used for adding and subtracting fractions, it's the greatness common factor

6) Simplify

- a. To divide the numerator and denominator to get the lowest whole numbers
- b. To multiply the numerator and denominator to get the lowest whole numbers
- c. To divide the numerator and denominator to get the greatest whole numbers

$$7) \frac{2}{6} + \frac{1}{6} =$$

$$8) 2\frac{1}{6} + \frac{1}{4} =$$

$$9) \frac{3}{5} - \frac{1}{2} =$$

$$10) 3\frac{3}{4} - 1\frac{1}{5} =$$

11) What is the greatest common factor (GCF) of 8 and 30? _____

$$12) \frac{2}{15} \times 5 = \underline{\hspace{2cm}}$$

$$13) 5\frac{5}{8} \times \frac{1}{3} = \underline{\hspace{2cm}}$$

$$14) 5\frac{1}{2} \times 1\frac{1}{4} = \underline{\hspace{2cm}}$$

$$15) \frac{1}{5} \div \frac{1}{3} = \underline{\hspace{2cm}}$$

$$16) \frac{1}{3} \div 5 = \underline{\hspace{2cm}}$$

$$17) 2\frac{1}{5} \div 1\frac{2}{3} = \underline{\hspace{2cm}}$$

18) Jim bought $\frac{2}{3}$ pound of peanuts, $6\frac{1}{6}$ pounds of almonds, and $\frac{1}{12}$ pound of walnuts. What is the total weight of Jim's purchase?



19) Jill is typing a report. She typed $\frac{4}{9}$ of the pages in the report in the morning and $\frac{1}{7}$ of the pages in the afternoon. What fraction more of the pages did she type in the morning?

20) In a vegetable garden, $\frac{5}{8}$ of the plants are peppers. Of those peppers, $\frac{3}{4}$ are red peppers. What fraction of plants are red peppers? Show your work.

21) In a rock garden, $\frac{7}{10}$ of the rocks are igneous rocks. Of those rocks, $\frac{3}{4}$ are pegmatite rocks. What fraction of rocks are pegmatite rocks? Show your work.

22) Mrs. Crumling divided $\frac{3}{5}$ pound of chocolate into 9 equal sections. How much chocolate was in each section?

