

Name \_\_\_\_\_ Date \_\_\_\_\_

## Power Standard #4

1) Blake bought  $\frac{3}{8}$  pounds of cashew nuts,  $\frac{1}{8}$  pound of almonds, and  $\frac{5}{6}$  pounds of walnuts. What is the total weight of Blake's purchase?



2) Jill is typing a report. She typed  $\frac{5}{8}$  of the pages in the report in the morning and  $\frac{1}{4}$  of the pages in the afternoon. What fraction more of the pages did she type in the morning?

3) Will took  $\frac{1}{6}$  of the stickers from a pack. Alex took  $\frac{1}{2}$  of the stickers. How much more of the pack did Alex take?

4) Of the students in Mr. Renfro's class,  $\frac{11}{24}$  walk to school. Another  $\frac{3}{8}$  of the students ride their bikes to school. What fraction more of the students walk than ride their bikes to school?

5) Annabella ate  $\frac{1}{3}$  of a pizza. Abby ate  $\frac{1}{8}$  of the same pizza. How much of the pizza is left?

6) Mrs. Avery read  $\frac{2}{5}$  of a book last week. This week, she read  $\frac{3}{10}$  of her book. How much of the book did she read altogether?



7) Mrs. Crumling also read a book. She read  $\frac{1}{8}$  of the book last week and  $\frac{1}{4}$  this week. How much more of the book does she need to read?

8) Of the entire 5<sup>th</sup> grade class,  $\frac{2}{3}$  love chocolate ice cream and  $\frac{1}{5}$  love vanilla. How many more kids of the entire 5<sup>th</sup> grade love chocolate ice cream?

# Answers

1) Blake bought  $\frac{3}{8}$  pounds of cashew nuts,  $\frac{1}{8}$  pound of almonds, and  $\frac{5}{6}$  pounds of walnuts. What is the total weight of Blake's purchase?

$$\frac{3}{8} + \frac{1}{8} + \frac{5}{6} = \frac{9}{24} + \frac{3}{24} + \frac{20}{24} = \frac{32}{24} = 32 \div 24 = 1 \frac{1}{3} \text{ pounds}$$

2) Jill is typing a report. She typed  $\frac{5}{8}$  of the pages in the report in the morning and  $\frac{1}{4}$  of the pages in the afternoon. What fraction more of the pages did she type in the morning?

$$\frac{5}{8} - \frac{1}{4} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8} \text{ more in the morning}$$

3) Will took  $\frac{1}{6}$  of the stickers from a pack. Alex took  $\frac{1}{2}$  of the stickers. How much more of the pack did Alex take?

$$\frac{1}{2} - \frac{1}{6} = \frac{3}{6} - \frac{1}{6} = \frac{2}{6} = \frac{1}{3} \text{ more}$$

4) Of the students in Mr. Renfro's class,  $\frac{11}{24}$  walk to school. Another  $\frac{3}{8}$  of the students ride their bikes to school. What fraction more of the students walk than ride their bikes to school?

$$\frac{11}{24} \text{ walk} \quad \frac{3}{8} = \frac{9}{24} \text{ ride bike}$$

$$\frac{11}{24} - \frac{9}{24} = \frac{2}{24} = \frac{1}{12}$$

5) Annabella ate  $\frac{1}{3}$  of a pizza. Abby ate  $\frac{1}{8}$  of the same pizza. How much of the pizza is left?

$$\frac{1}{3} + \frac{1}{8} = \frac{8}{24} + \frac{3}{24} = \frac{11}{24} \text{ eaten, } \frac{13}{24} \text{ left}$$

6) Mrs. Mason read  $\frac{2}{5}$  of a book last week. This week, she read  $\frac{3}{10}$  of her book. How much of the book did she read altogether?

$$\frac{2}{5} + \frac{3}{10} = \frac{4}{10} + \frac{3}{10} = \frac{7}{10}$$

7) Mrs. Lorenz also read a book. She read  $\frac{1}{8}$  of the book last week and  $\frac{1}{4}$  this week. How much more of the book does she need to read?

$$\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8} = \frac{3}{8} \text{ read, so } \frac{5}{8} \text{ left}$$

8) Of the entire 5<sup>th</sup> grade class,  $\frac{2}{3}$  love chocolate ice cream and  $\frac{1}{5}$  love vanilla. How many more kids of the entire 5<sup>th</sup> grade love chocolate ice cream?

$$\frac{2}{3} - \frac{1}{5} = \frac{10}{15} - \frac{3}{15} = \frac{7}{15}$$