Name Key NC.4.NF.3 CFA (Cluster 7)

1. After a holiday party, there was $\frac{5}{6}$ of a cake left. Some of the pieces of cake were chocolate, some of pieces were vanilla, and some of the pieces were carrot cake. What fraction of a cake could be chocolate, vanilla, and carrot? Choose the correct number statement that represents the amounts of each type of cake that are remaining.

a. $\frac{4}{6}+\frac{1}{6}+\frac{1}{6}=\frac{6}{6}$

b. $\frac{3}{6}+\frac{2}{6}+\frac{1}{6}=\frac{6}{6}$

c. $\frac{1}{6}+\frac{2}{6}+\frac{2}{6}=\frac{5}{6}$

d. $\frac{1}{6}+\frac{1}{6}+\frac{2}{6}=\frac{4}{6}$

2. A fraction model is shown below.

What is the sum of the fractions represented by the shaded and unshaded parts of the model?

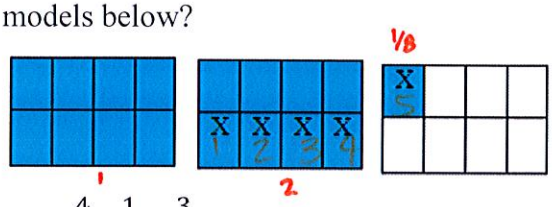
a. $\frac{3}{3}+\frac{5}{5}=2$

b. $\frac{3}{8}+\frac{5}{8}=\frac{8}{8}$

c. $\frac{1}{2}+\frac{2}{6}=\frac{3}{8}$

d. $\frac{2}{8}+\frac{3}{8}=\frac{5}{8}$

3. What subtraction equation with the CORRECT answer could be demonstrated by the models below?



a. $2\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$

b. $\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$

c. $3\frac{1}{8} - \frac{4}{8} = \frac{7}{8}$

d. $2\frac{1}{8} - \frac{5}{8} = 1\frac{4}{8}$

4. What mixed number does the following number sentence represent?

$\frac{4}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

a. $1\frac{3}{4}$

b. $1\frac{4}{4}$

c. $8\frac{3}{4}$

d. $1\frac{2}{4}$

5. Luke worked on his math homework for $4\frac{3}{4}$ hours this week and $2\frac{2}{4}$ hours last week. Which number sentence can be used to find the fraction of hours Luke worked on his math homework these two weeks?

$4\frac{3}{4} = \frac{16}{4} + \frac{3}{4} = \frac{19}{4}$

$2\frac{2}{4} = \frac{8}{4} + \frac{2}{4} = \frac{10}{4}$

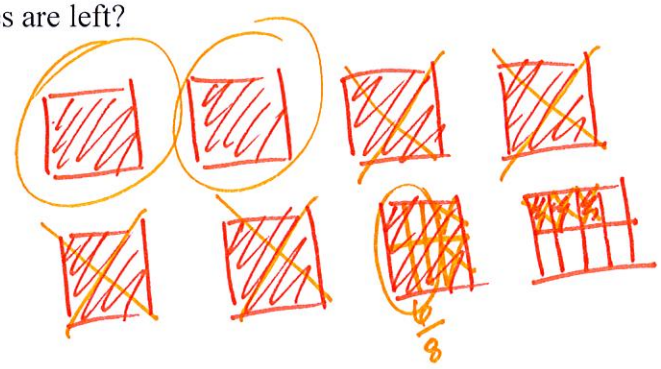
a. $\frac{19}{4} + \frac{10}{4} = \frac{29}{8}$ x

b. $\frac{19}{4} + \frac{10}{4} = \frac{29}{4}$

c. $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$ No wholes!

d. $\frac{3}{4} + \frac{2}{4} = \frac{5}{8}$ x & No wholes

6. A milk jug contained $7\frac{3}{8}$ ounces of milk left in it. Melissa used $4\frac{5}{8}$ ounces for a recipe. How many ounces are left?



a. $3\frac{2}{8}$

b. $1\frac{3}{8}$

c. $2\frac{6}{8}$

d. $4\frac{6}{8}$

7. Lizzie has 100 water balloons for the splash party. Lizzie used 52 balloons while at the party. Which equation can be used to show the fraction that represents the balloons that were use?

a. $\frac{20}{50} + \frac{32}{50} = \frac{52}{100}$

b. $\frac{20}{100} + \frac{10}{100} + \frac{10}{100} + \frac{8}{100} = \frac{48}{100}$ ← difference

c. $\frac{15}{20} + \frac{15}{20} + \frac{10}{20} + \frac{8}{20} = \frac{48}{100}$ ← difference

d. $\frac{15}{100} + \frac{15}{100} + \frac{15}{100} + \frac{7}{100} = \frac{52}{100}$

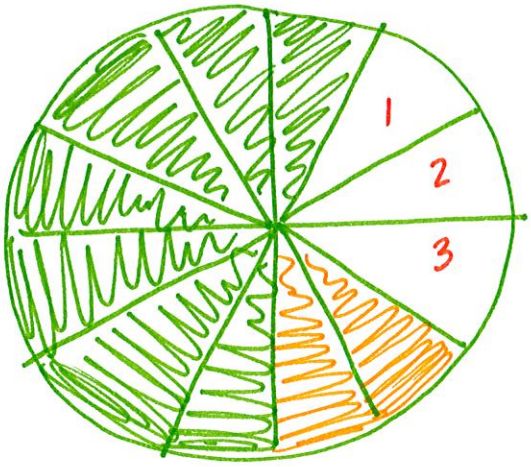
8. Becky ordered an extra-large pizza. She and her family ate $\frac{7}{12}$ of the pizza. The next day Becky ate $\frac{2}{12}$ of the pizza for lunch. How much of the pizza was left after she ate her lunch?

a. $\frac{3}{12}$

b. $\frac{9}{12}$ This how much was eaten

c. $\frac{12}{12}$ whole

d. $\frac{12}{35}$?



9. Which expression has the same answer as $\frac{3}{10} + \frac{2}{10}$?

a. $\frac{2}{10} + \frac{8}{10}$

b. $\frac{1}{10} + \frac{4}{10}$

c. $\frac{6}{10} + \frac{4}{10}$

d. $\frac{1}{10} + \frac{3}{10}$

10. Kayla drank $\frac{5}{8}$ of a carton of orange juice for breakfast. Tyler drank $\frac{1}{8}$ of the carton.

How much orange juice was left?

a. $\frac{5}{8}$ carton

b. $\frac{3}{4}$ carton

c. $\frac{1}{4}$ carton

d. $\frac{7}{8}$ carton