

# NS8-22 Word Problems with Adding and Subtracting Fractions

- What fraction of a year is 3 months?  $\frac{3}{12} = \frac{1}{4}$  year
- What fraction of an hour is 45 minutes?  $\frac{3}{4}$  hour
- What fraction of a metre is 20 cm?  $\frac{1}{5}$  m
- A cup is 240 mL. What fraction of a cup is 100 mL?  $\frac{5}{12}$  cup
- Tania cycled  $5\frac{3}{5}$  km in the first hour, and  $4\frac{2}{3}$  km in the second hour. How many kilometres did she cycle in two hours?  $10\frac{4}{15}$  km
- Monica ran  $6\frac{3}{8}$  km in the first hour,  $4\frac{1}{2}$  km the second hour, and  $4\frac{1}{4}$  km the third hour. How many kilometres did she run in three hours?  $15\frac{1}{8}$  km
- A cafeteria sold  $2\frac{7}{8}$  cheese pizzas,  $5\frac{5}{6}$  vegetable pizzas, and  $7\frac{11}{12}$  deluxe pizzas at lunchtime. How many pizzas did they sell altogether?  $16\frac{5}{8}$  pizzas
- Trevor has  $\frac{2}{3}$  of an hour to write a test. If he finishes the test in  $\frac{1}{2}$  of an hour then how much time would remain?  $\frac{1}{6}$  hour = 10 minutes
- Tegan bought  $1\frac{1}{6}$  metres of ribbon. She needs  $\frac{2}{5}$  metres to wrap her brother's present and  $\frac{3}{4}$  metres to wrap her sister's present. Did she buy enough ribbon? Yes  
 $1\frac{2}{6} < 1\frac{3}{4}$
- Anne just turned 19 years old. How old was she  $4\frac{3}{4}$  years ago?  $14\frac{1}{4}$  years old
- Tabitha ate  $\frac{1}{4}$  of a sub and Jordan ate  $\frac{2}{3}$  of the sub. How much of the sub was left over?  $\frac{1}{2}$  was left
- Sadia picked  $\frac{2}{5}$  of a basket of berries, Tashi picked  $\frac{1}{3}$  of a basket, Shafma picked  $\frac{4}{7}$  of a basket, and Marzuk picked  $\frac{4}{5}$  of a basket. Did all their berries fit into 2 baskets? No:  $2\frac{11}{105} > 2$
- Soil at a beach consists of sand, clay and salt. If a sample taken is  $\frac{3}{4}$  sand and  $\frac{1}{6}$  salt, how much of the sample is clay?  $\frac{1}{2}$  is clay
- Gerome has an hour and a half before he has to leave to play basketball. If it takes him  $\frac{7}{12}$  of an hour to do his homework and  $\frac{3}{5}$  of an hour to find his uniform, how much time will he have left?  $1\frac{19}{60}$  hour = 19 minutes