



Summer Math Program
Entering Sixth Grade
Week 8



Fast Facts

See how many you can do in one minute!

$$\frac{1}{5} + \frac{1}{2} =$$

$$\frac{3}{9} + \frac{6}{11} =$$

$$\frac{1}{5} + \frac{4}{9} =$$

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

$$\frac{4}{6} + \frac{1}{10} =$$

$$\frac{3}{5} + \frac{3}{9} =$$

$$\frac{1}{3} + \frac{3}{12} =$$

$$\frac{1}{2} + \frac{6}{9} =$$

$$\frac{3}{6} + \frac{3}{4} =$$

Equivalent Fractions

For a Khan Academy lesson on equivalent fractions, go to:

<http://www.khanacademy.org/math/arithmetic/fractions/v/equivalent-fractions>.

Find the missing number to create equivalent fractions.

$$\frac{1}{\square} = \frac{4}{8}$$

$$\frac{4}{\square} = \frac{16}{24}$$

$$\frac{\square}{10} = \frac{20}{40}$$

$$\frac{5}{6} = \frac{20}{\square}$$

$$\frac{1}{4} = \frac{\square}{8}$$

$$\frac{5}{8} = \frac{15}{\square}$$

$$\frac{1}{7} = \frac{\square}{21}$$

$$\frac{\square}{9} = \frac{12}{27}$$

Pick three of the fraction sets from above. Draw pictures to show how the fractions are equivalent.

PROBLEM SOLVING

Solve these story problems with fractions. Write a number sentence then solve.

1. The apricot and banana bread takes $\frac{3}{4}$ of an hour to bake. The marinade takes about $\frac{1}{12}$ of an hour to prepare. How long will it take to bake the apricot and banana bread and then prepare the marinade?

Write your answer in simplest form.

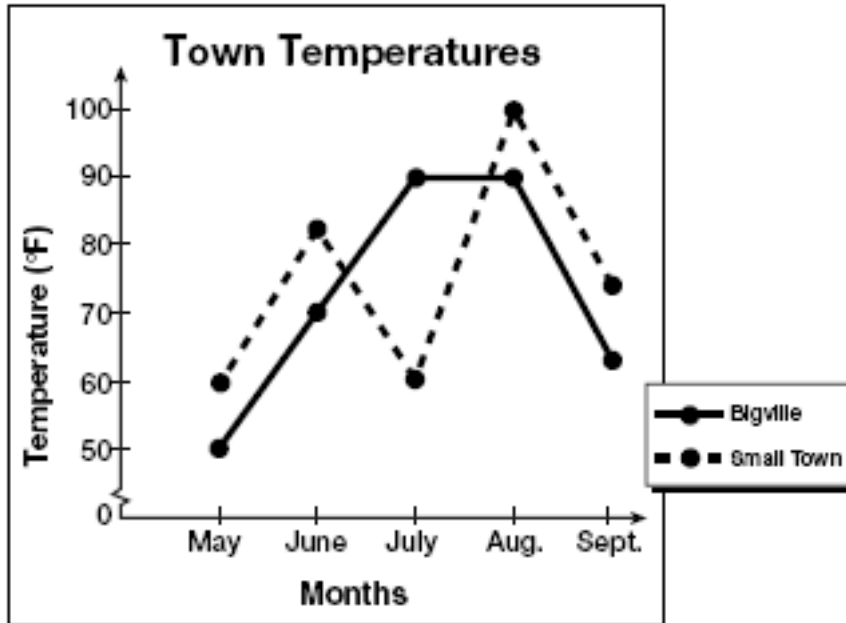
2. At the deli, Jon got $\frac{3}{4}$ pound of ham and $\frac{7}{16}$ pound of turkey. How many pounds of meat did Jon get?
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3. In a survey of bedtimes, $\frac{3}{5}$ of the students said their bedtime is between 9 P.M. and 9:59 P.M. and $\frac{1}{4}$ said their bedtime is between 10 P.M. and 10:59 P.M. How many more students go to sleep at the earlier time?
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4. Ms. Harmon's science lesson lasts $\frac{3}{4}$ of an hour. So far $\frac{5}{12}$ of an hour has elapsed. What fraction of an hour remains of Ms. Harmon's science lesson? Write your answer in simplest form. Then explain your answer.
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Line Graphs

Use the following line graph to answer the questions.



1. Which town, overall, had higher temperatures during the summer?

2. During which month was the difference in temperatures the greatest?

3. During which month did the temperature in Bigville exceed that of Small Town?

4. During which month was there no change in temperature in Bigville?

5. Draw a double line graph for the following data.

Heights of Class Plants		
Month	"Greenie"	"Leafy"
Feb.	2"	1 $\frac{1}{2}$ "
Mar.	3"	3"
Apr.	4"	5"
May	5"	8"

