

Master 5.27

Extra Practice 1

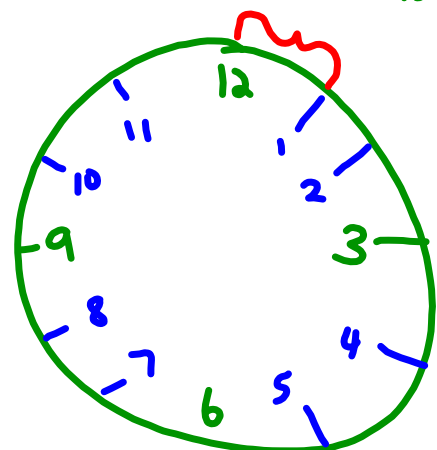
Lesson 5.1: Using Models to Add Fractions

- Use Pattern Blocks to show each sum. Sketch the Pattern Blocks. Write an addition equation for each picture.
 - $\frac{1}{6} + \frac{1}{6}$
 - $\frac{4}{3} + \frac{1}{3}$
 - $\frac{5}{6} + \frac{1}{3}$
- Use fraction circles to show each sum. Sketch the fraction circles. Write an addition equation for each picture.
 - $\frac{3}{4} + \frac{1}{6}$
 - $\frac{1}{2} + \frac{3}{10}$
 - $\frac{1}{2} + \frac{3}{4}$
- Is each sum greater than 1 or less than 1? How can you tell?
 - $\frac{2}{6} + \frac{1}{6}$
 - $\frac{7}{10} + \frac{4}{10}$
 - $\frac{3}{5} + \frac{6}{5}$
 - $\frac{5}{4} + \frac{1}{4}$
- Kelly exercised on Monday and Tuesday. She recorded the amount of time she spent on each activity as a fraction of one hour.
 - Calculate how much time Kelly spent on each activity over the two days. Record each answer as a fraction of one hour.
 - How many minutes did she spend on each activity?
 - How much time did she spend exercising over the two days? Write your answer in 2 different ways.

Activity	Monday	Tuesday
Walking	15 min $\frac{1}{4}$ h $\frac{3}{12}$	10 min $\frac{1}{6}$ h $\frac{2}{12}$
Running	20 min $\frac{1}{3}$ h $\frac{4}{12}$	30 min $\frac{1}{2}$ h $\frac{6}{12}$
Stretching	5 min $\frac{1}{12}$ h	10 min $\frac{1}{6}$ h $\frac{2}{12}$

a) M + T

$$\begin{aligned} &\rightarrow \frac{3}{12} + \frac{2}{12} = \frac{5}{12} \\ &\rightarrow \frac{4}{12} + \frac{6}{12} = \frac{10}{12} \\ &\rightarrow \frac{1}{12} + \frac{2}{12} = \frac{3}{12} \\ &\quad + \end{aligned}$$



$$c) \frac{18}{12} = \frac{6}{4} = \frac{1}{2} \text{ hours}$$

90 min
1 hour 30 min

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Extra Practice 2

Lesson 5.2: Using Other Models to Add Fractions

1. Add.

a) $\frac{1}{5} + \frac{3}{5}$

b) $\frac{1}{6} + \frac{5}{6}$

c) $\frac{3}{8} + \frac{1}{8}$

d) $\frac{2}{4} + \frac{2}{4}$

2. Use fractions strips and number lines to find each sum.

a) $\frac{1}{3} + \frac{2}{6}$

b) $\frac{3}{5} + \frac{1}{10}$

c) $\frac{2}{4} + \frac{1}{2}$

d) $\frac{1}{6} + \frac{2}{3}$

3. Use fractions strips and number lines to find each sum.

a) $\frac{1}{3} + \frac{1}{4}$

b) $\frac{2}{5} + \frac{1}{2}$

c) $\frac{2}{3} + \frac{1}{4}$

d) $\frac{5}{6} + \frac{3}{12}$

4. Replace each \square with a digit to make each equation true.

a) $\frac{1}{4} + \frac{5}{8} = \frac{\square}{8}$

b) $\frac{1}{\square} + \frac{3}{10} = \frac{5}{10}$

c) $\frac{\square}{4} + \frac{1}{4} = 1$

d) $\frac{1}{2} + \frac{2}{8} = \frac{3}{\square}$

5. Buffy and Molly are making punch.

They add $\frac{5}{8}$ cup of water, $\frac{3}{4}$ cup of ginger ale, $\frac{7}{8}$ cup of cranberry juice,
and $\frac{1}{4}$ cup of orange juice to a large punch bowl.

They want to pour the punch into a jug.

Should they use a jug that hold 2 cups of liquid or a jug that hold 3 cups of liquid?

How do you know?

6. Find two fractions that have a sum of $\frac{5}{4}$.

How many pairs of fractions can you find?

Record each pair you find.

7. Bart and Basil are eating small pizzas.

The pizzas are the same size.

Bart has $\frac{5}{8}$ left.

Basil has $\frac{1}{2}$ left.

How much pizza is left altogether?

Attachments

Extra Practice 1 Using Models to add Fractions.pdf

Extra Practice 2 Using OTHER Models to add Fractions.pdf