

Using Models to Add Fractions - Worksheet

1. Use Pattern Blocks to show each sum.
Sketch the Pattern Blocks.
Write an addition equation for each picture.

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

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

c) $\frac{5}{6} + \frac{1}{3}$

2. Use fraction circles to show each sum.
Sketch the fraction circles.
Write an addition equation for each picture.

a) $\frac{3}{4} + \frac{1}{6}$

b) $\frac{1}{2} + \frac{3}{10}$

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

3. Is each sum greater than 1 or less than 1?
How can you tell?

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

b) $\frac{7}{10} + \frac{4}{10}$

c) $\frac{3}{5} + \frac{6}{5}$

d) $\frac{5}{4} + \frac{1}{4}$

4. Kelly exercised on Monday and Tuesday.
She recorded the amount of time she spent on each activity as a fraction of one hour.
- a) Calculate how much time Kelly spent on each activity over the two days.
Record each answer as a fraction of one hour.
- b) How many minutes did she spend on each activity?
- c) How much time did she spend exercising over the two days?

Activity	Monday	Tuesday	Total
Walking	$\frac{1}{4}$ h	$\frac{1}{6}$ h	
Running	$\frac{1}{3}$ h	$\frac{1}{2}$ h	
Stretching	$\frac{1}{12}$ h	$\frac{1}{6}$ h	

5. Add.

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

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

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

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

6. Add. Use any method you like.

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

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

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

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

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

8. 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?

9. Find two fractions that have a sum of $\frac{5}{4}$.
How many pairs of fractions can you find?
Record each pair you find.

10. 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?