

Fractions Print Activity

Use the information provided under the scale in the Video Interactive to answer all of the following questions:

1. Circle the fraction represented by each of the following cups.

a.  i. $\frac{1}{2}$ ii. $\frac{1}{3}$ iii. $\frac{1}{4}$ iv. $\frac{1}{6}$

b.  i. $\frac{1}{2}$ ii. $\frac{1}{3}$ iii. $\frac{1}{4}$ iv. $\frac{1}{6}$

c.  i. $\frac{1}{2}$ ii. $\frac{1}{3}$ iii. $\frac{1}{4}$ iv. $\frac{1}{6}$

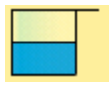
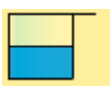
d.  i. $\frac{1}{2}$ ii. $\frac{1}{3}$ iii. $\frac{1}{4}$ iv. $\frac{1}{6}$

2. Determine the fractions represented by each cup and add the combined amounts by filling in the blanks.

a.  

$$\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

non-reduced fraction reduced fraction

b.   

$$\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

improper fraction mixed fraction

c.



$$\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

non-reduced fraction reduced fraction

d.



$$\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

improper fraction mixed fraction

3. State the equivalent reduced form for each of the following fractions.

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

b. $\frac{4}{6} = \frac{}{}$

c. $\frac{10}{4} = \frac{}{}$

d. $\frac{9}{6} = \frac{}{}$

e. $\frac{10}{6} = \frac{}{}$

4. Answer the question and state the equivalent fraction for the following.

a. How many $\frac{1}{2}$ cups does it take to make 1 full cup? $\underline{\hspace{2cm}} \rightarrow \frac{}{} = 1$

b. How many $\frac{1}{3}$ cups does it take to make 1 full cup? $\underline{\hspace{2cm}} \rightarrow \frac{}{} = 1$

c. How many $\frac{1}{4}$ cups does it take to make 1 full cup? $\underline{\hspace{2cm}} \rightarrow \frac{}{} = 1$

d. How many $\frac{1}{6}$ cups does it take to make 1 full cup? $\underline{\hspace{2cm}} \rightarrow \frac{}{} = 1$

5. Change each mixed fraction below to an **improper fraction**.

a. $1\frac{2}{3} = \frac{\quad}{\quad}$

b. $2\frac{1}{3} = \frac{\quad}{\quad}$

c. $1\frac{3}{4} = \frac{\quad}{\quad}$

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

e. $1\frac{5}{6} = \frac{\quad}{\quad}$

f. $2\frac{3}{4} = \frac{\quad}{\quad}$

g. $1\frac{1}{3} = \frac{\quad}{\quad}$

h. $2\frac{2}{3} = \frac{\quad}{\quad}$

6. Use the **Video Interactive** to complete each question for the following scenarios.
(*You do not need to balance the scale to obtain the information required for this activity)

a. Suppose that the target fraction is $1\frac{1}{3}$.



i. What measuring cup would you use to obtain this target of $1\frac{1}{3}$?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)

ii. How many of these cups do you need to hit the target fraction? ____

iii. Is there another measuring cup that you could use to obtain this target? Y / N (circle)

iv. If you answered yes, what other measuring cup could you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)

v. If you answered yes, how many of these cups do you require to hit the target fraction? ____

vi. Is there a third different measuring cup that you could use to obtain this target? Y / N (circle)

vii. If you answered yes, what other measuring cup would you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)

viii. If you answered yes, how many of these cups do you require to hit the target fraction? ____

- b. Suppose that the target fraction is $2\frac{1}{2}$.



- i. What measuring cup would you use to obtain this target of $2\frac{1}{2}$?
 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- ii. How many of these cups do you need to hit the target fraction? _____
- iii. Is there another measuring cup that you could use to obtain this target? Y / N (circle)
- iv. If you answered yes, what other measuring cup could you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- v. If you answered yes, how many of these cups do you require to hit the target fraction? _____
- vi. Is there a third different measuring cup that you could use to obtain this target? Y / N (circle)
- vii. If you answered yes, what other measuring cup would you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- viii. If you answered yes, how many of these cups do you require to hit the target fraction? _____

- c. Suppose that the target fraction is 3.



- i. What measuring cup would you use to obtain this target of 3?
 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- ii. How many of these cups do you need to hit the target fraction? _____
- iii. Is there another measuring cup that you could use to obtain this target? Y / N (circle)
- iv. If you answered yes, what other measuring cup could you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)

- v. If you answered yes, how many of these cups do you require to hit the target fraction? _____
- vi. Is there a third different measuring cup that you could use to obtain this target? Y / N (circle)
- vii. If you answered yes, what other measuring cup would you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- viii. If you answered yes, how many of these cups do you require to hit the target fraction? _____

d. Suppose that the target fraction is $1\frac{3}{6}$.



- i. What measuring cup would you use to obtain this target of $1\frac{3}{6}$? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- ii. How many of these cups do you need to hit the target fraction? _____
- iii. Is there another measuring cup that you could use to obtain this target? Y / N (circle)
- iv. If you answered yes, what other measuring cup could you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- v. If you answered yes, how many of these cups do you require to hit the target fraction? _____
- vi. Is there a third different measuring cup that you could use to obtain this target? Y / N (circle)
- vii. If you answered yes, what other measuring cup would you use to obtain this target? $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ (circle)
- viii. If you answered yes, how many of these cups do you require to hit the target fraction? _____