Name:

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.



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



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

a.
$$\frac{6}{4} = \frac{1}{2}$$

b. $\frac{4}{6} = \frac{1}{3}$
c. $\frac{10}{4} = \frac{1}{2}$
d. $\frac{9}{6} = \frac{1}{2}$
e. $\frac{10}{6} = \frac{1}{3}$

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? \longrightarrow $\frac{1}{2} = 1$
b. How many $\frac{1}{3}$ cups does it take to make 1 full cup? \longrightarrow $\frac{1}{3} = 1$
c. How many $\frac{1}{4}$ cups does it take to make 1 full cup? \longrightarrow $\frac{1}{4} = 1$
d. How many $\frac{1}{6}$ cups does it take to make 1 full cup? \longrightarrow $\frac{1}{6} = 1$

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

a.	$1\frac{2}{3} = \frac{1}{3}$	b.	$2\frac{1}{3} = \frac{1}{3}$	c.	$1\frac{3}{4} = \frac{1}{4}$
d.	$2\frac{1}{4} = \frac{1}{4}$	e.	$1\frac{5}{6} = -$	f.	$2\frac{3}{4} = -$
g.	$1\frac{1}{3} = -$	h.	$2\frac{2}{3} = -$		

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.	Suppos	Typose that the target fraction is $1\frac{1}{3}$. What measuring cup would you use to obtain this target of $1\frac{1}{3}$?					
	i.						
			$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$	(circle)
	ii.	How many of these c	ups do	you n	eed to	hit the tar	get fraction?
	iii. Is there another measuring cup that you could use to obtain target? Y / N (circle)						to obtain this
	iv.	If you answered yes, obtain this target?	what or $\frac{1}{2}$	other m $\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$ cup co	uld you use to (circle)
	V.	If you answered yes, the target fraction?	how m	any o	f these	cups do y	you require to hit
	vi. Is there a third different measuring cup that you this target? Y / N (circle)						ould use to obtain
	vii.	If you answered yes, obtain this target?	what or $\frac{1}{2}$	other m $\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$ mg cup we	circle)
	viii.	If you answered yes, the target fraction?	how m	any o	f these	cups do y	you require to hit

b.	 Suppose that the target fraction is 2¹/₂. i. What measuring cup would you use to obtain this target of 									
			$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$	(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 differe this target? Y / N	nt mea	suring (circle)	g cup tł	nat you cou	uld use to obtain			
	vii.	If you answered yes,	what o	ther m	easurii	ng cup wou	ıld 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 us	se to ol	otain this ta	arget 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 o	ther m	easurii	ng cup cou	ld you use to			
		obtain this target?	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{6}$	(circle)			

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- 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 $1\frac{3}{6}$?

1	<u> </u>	<u> </u>	1	(circle)
2	3	4	6	(effete)

- 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?

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