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5.NF.A.2 Understanding Equivalent Fractions with Models

5.NF.A.2: Solve word problems involving addition and subtraction of fractions.

1. Write two equivalent fractions for each of the following.

a.	b.	c.	d. $\frac{5}{6}$
e. $\frac{1}{8}$	f. $\frac{3}{4}$	g. $\frac{7}{8}$	h. $\frac{4}{8}$
Answers:			
а.	b.	c.	d.
e.	f.	g.	h.

2. Which fraction is not equivalent to the other two?

a.	$\frac{3}{15}, \frac{2}{8}, \frac{1}{5}$	b.	$\frac{1}{3}, \frac{3}{6}, \frac{15}{30}$	c.	$\frac{2}{8}, \frac{2}{6}, \frac{6}{18}$
d.	$\frac{2}{3}, \frac{8}{12}, \frac{5}{8}$	e.	$\frac{2}{3}, \frac{80}{100}, \frac{60}{90}$	f.	$\frac{6}{14}, \frac{3}{7}, \frac{12}{15}$

3.	Which of t	hese does not make	a pair of equiva	alent fractions?
	A. $\frac{3}{5}, \frac{6}{10}$	B. $\frac{3}{5}, \frac{4}{20}$	C. $\frac{1}{4}, \frac{3}{12}$	D. $\frac{5}{6}, \frac{15}{18}$

- 4. Use the table to answer the questions.
 - a. What fraction of Ben's toys are balls? Write an equivalent fraction.
 - b. What fraction are the toy blocks? Write an equivalent fraction.
 - c. If his toy robots and balls are given away, what fraction are toy blocks now? Is this fraction the same in problem b?

Answers:				
a.	b.		c.	
5. Which pair of fraction $A. \frac{3}{9}, \frac{5}{15}$	actions are equivaler B. $\frac{2}{4}, \frac{6}{8}$ C.	D. $\frac{4}{9}, \frac{8}{27}$		Answer:

Answers:			
a.	b.	c.	
d	e.	f.	

Answer:

Toys in Ben's Room

Тоу	Number
Robot	4
Ball	2
Block	3
Baseball Bat	1
Car	8

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NF.A.2 Understanding Equivalen	t Fr	action	s with	Mode	als	
NF.A.2: Solve word problems involving addition and subtraction of fi				Ansv		Key
1. Write two equivalent fractions for each of the follo	owing	;.				
a. b.	c.) c	l. <u>5</u> 6		
e. $\frac{1}{8}$ f. $\frac{3}{4}$	g.	7 8	ł	1. $\frac{4}{8}$		
Answers: $4 6$ $b 2 6$	2	69		10 1!	5	
a. $\frac{4}{10}, \frac{6}{15}$ b. $\frac{2}{3}, \frac{6}{9}$ e. $\frac{2}{16}, \frac{3}{24}$ f. $\frac{6}{8}, \frac{9}{12}$	c. g.	$ \begin{array}{r} 6 & 9 \\ 14' & 21 \\ 14' & 21 \\ 16' & 24 \end{array} $	ł	$\begin{array}{c} 10 \\ 12 \\ 12 \\ 12 \\ 14 \\ 14 \\ 14 \\ 14 \\ 14$	3	
2. Which fraction is not equivalent to the other two?						
-		Answe				
a. $\frac{3}{15}, \frac{2}{8}, \frac{1}{5}$ b. $\frac{1}{3}, \frac{3}{6}, \frac{15}{30}$ c. $\frac{2}{8}, \frac{2}{6}, \frac{6}{18}$		a.	2 8 b.	$\frac{1}{3}$	c.	2 8
d. $\frac{2}{3}, \frac{8}{12}, \frac{5}{8}$ e. $\frac{2}{3}, \frac{80}{100}, \frac{60}{90}$ f. $\frac{6}{14}, \frac{3}{7}, \frac{12}{15}$		d	$\frac{2}{8}$ b. $\frac{5}{8}$ e.	80 100	f.	<u>12</u> 15
3. Which of these does not make a pair of equivalent	fract	ions?	Answer			
A. $\frac{3}{5}, \frac{6}{10}$ B. $\frac{3}{5}, \frac{4}{20}$ C. $\frac{1}{4}, \frac{3}{12}$			B. $\frac{3}{5}, \frac{4}{20}$	•		
4. Use the table to answer the questions.						
a. What fraction of Ben's toys are balls?	Writ	e an	Toys Toy	in Ben's	Roo Num	
equivalent fraction.			Robot		4	
b. What fraction are the toy blocks? Write an fraction.	equiv	alent	Ball		2	
c. If his toy robots and balls are given av	vay,	what	Block Baseball		3	
fraction are toy blocks now? Is this fraction	the	same	Car	Dat	8	
in problem b?				I		
Answers:			3			
a. $\frac{2}{18}$; $\frac{1}{9}$ b. $\frac{3}{18}$; $\frac{1}{6}$		c.	$\frac{3}{12}$; No			
5. Which pair of fractions are equivalent fractions?			Answer	•		
A. $\frac{3}{9}, \frac{5}{15}$ B. $\frac{2}{4}, \frac{6}{8}$ C. $\frac{2}{6}, \frac{6}{12}$	D. $\frac{4}{9}$,	8 27	A. $\frac{3}{9}, \frac{5}{15}$			

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