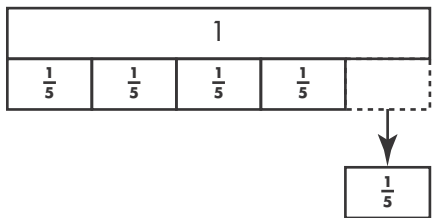


1. Match each expression on the left to an equivalent expression. **1 point**

	$\frac{5}{12} + \frac{4}{12}$	$\frac{2}{12} + \frac{1}{12}$	$\frac{16}{12} - \frac{1}{12}$	$\frac{2}{12} + \frac{3}{12} + \frac{6}{12}$
$\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$\frac{4}{12} + \frac{5}{12}$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$\frac{2}{12} + \frac{3}{12} + \frac{6}{12}$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$\frac{11}{12} + \frac{4}{12}$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. On Friday,  $\frac{1}{5}$  of the students in class were absent. What fraction of the students were **NOT** absent? Explain. **2 points**



**Sample answer:**  
 **$\frac{4}{5}$  of the students**  
**because  $\frac{5}{5} - \frac{1}{5} = \frac{4}{5}$**

3. Cole spent some time working on his history homework. Then, he spent  $\frac{5}{12}$  hour working on his Spanish homework. Cole spent 1 hour on homework. What fraction of an hour did Cole spend on history? Explain. **1 point**

- (A)  $\frac{2}{12}$  hour; because  $\frac{5}{12} - \frac{3}{12} = \frac{2}{12}$
- (B)  $\frac{5}{12}$  hour; because he spent the same amount of time on Spanish as he did History.
- (C)  $\frac{7}{12}$  hour; because  $\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$
- (D)  $\frac{12}{12}$  hour; because he spent an hour on homework

4. Select all the expressions that show a way to decompose  $\frac{5}{10}$ . **1 point**

- $\frac{3}{10} + \frac{2}{10}$
- $\frac{1}{10} + \frac{1}{10} + \frac{3}{10}$
- $\frac{3}{4} + \frac{2}{6}$
- $\frac{4}{10} + \frac{1}{10} + \frac{1}{10}$
- $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

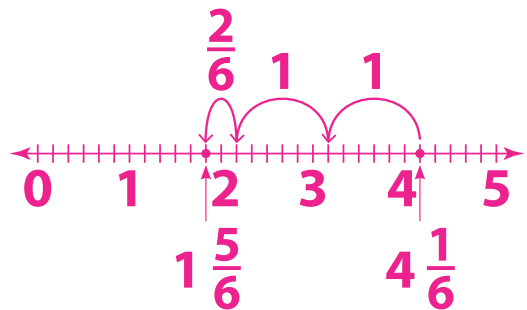
5. Which equation is **NOT** true when  $\frac{4}{10}$  is the missing number? **1 point**

- (A)  $\frac{3}{10} + \square = \frac{7}{10}$
- (B)  $\frac{14}{10} - \square = 1$
- (C)  $1\frac{1}{10} + \square = \frac{7}{10}$
- (D)  $1\frac{5}{10} - \square = 1\frac{1}{10}$

6. Claire had  $4\frac{1}{6}$  feet of string. She used some string to hang party decorations. Now she has  $1\frac{5}{6}$  feet of string left. How much string did Claire use? Draw a model and solve. **2 points**

$4\frac{1}{6} - s = 1\frac{5}{6}; s = 2\frac{2}{6}$

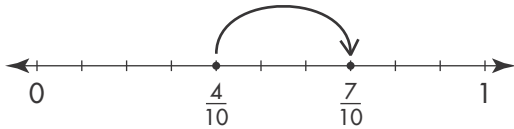
**Sample answer:**



7. Tammi and Orlando each decomposed  $1\frac{3}{4}$ . Tammi wrote  $\frac{2}{4} + \frac{2}{4} + \frac{3}{4}$ . Orlando wrote  $\frac{4}{4} + \frac{3}{4}$ . Who was correct? Explain. **2 points**

**Sample answer: Tammi and Orlando are both correct because**  
 $\frac{2}{4} + \frac{2}{4} + \frac{3}{4} = 1\frac{3}{4}$  and  
 $\frac{4}{4} + \frac{3}{4} = 1\frac{3}{4}$ .

8. The number line shows which of the following equations? **1 point**



- (A)  $0 + \frac{4}{10} = \frac{4}{10}$   
 (B)  $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$   
 (C)  $\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$   
 (D)  $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$

9. Jean and Ricky used fraction strips to add. What is the sum of  $2\frac{5}{6} + 1\frac{2}{6}$ ? Select all that apply. **1 point**

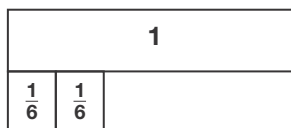
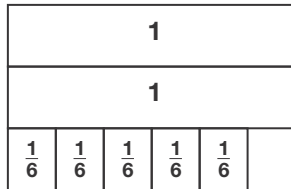
$2\frac{5}{6} + 1\frac{2}{6} = 4\frac{1}{6}$

$\frac{17}{6} + \frac{8}{6} = \frac{25}{6}$

$\frac{5}{6} + \frac{2}{6} = \frac{7}{6}$

$2\frac{5}{6} + 1\frac{2}{6} = 3\frac{7}{6}$

$2\frac{5}{6} + 1\frac{2}{6} = 3$



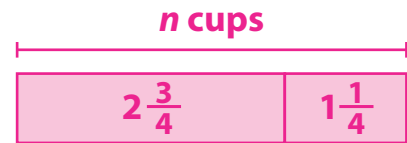
10. Grandma Meyer uses the recipe to make a soup.

**Soup Recipe**

Ingredient	Quantity
Chicken broth	$2\frac{3}{4}$ cups
Water	$1\frac{2}{4}$ cups
Cream	$1\frac{1}{4}$ cups
Vegetable stock	$2\frac{3}{4}$ cups

- A. Draw a bar diagram to find how much vegetable stock and cream are needed. **2 points**

**Sample answer:**



$2\frac{3}{4} + 1\frac{1}{4} = 4$  cups

- B. Find how many cups of soup will be made with all the ingredients. Explain your work. **2 points**

**$8\frac{1}{4}$ ; Sample answer:**  
 Add the whole numbers and the fractions;  $2 + 1 + 1 + 2 = 6$  and  
 $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} + \frac{3}{4} = \frac{9}{4}$   
 $= 2\frac{1}{4}$ ;  $6 + 2\frac{1}{4} = 8\frac{1}{4}$  cups