

Name _____

- 1** Ursula mixed $3\frac{1}{8}$ cups of dry ingredients with $1\frac{2}{5}$ cups of liquid ingredients.

Write the numbers that are the best estimates from the list to correctly complete the sentences.

Ursula used about _____ cups of dry ingredients and about _____ cups of liquid ingredients.
Ursula used about _____ cups of ingredients.

$1\frac{1}{2}$	$1\frac{3}{4}$	2	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
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- 2** Horatio sanded a dresser for $1\frac{1}{4}$ hours. Then he stained the dresser for $2\frac{1}{3}$ hours.

Place an X in the table to show if each sentence is true or false.

	True	False
A common denominator of the mixed numbers is 12.		
The amount of time spent sanding the dresser can be rewritten as $1\frac{3}{12}$.		
Horatio spent $1\frac{1}{6}$ hours longer staining the dresser than sanding it.		

- 3** Ken bought $3\frac{3}{4}$ pounds of apples at the farmers' market. Abby bought $2\frac{1}{8}$ pounds of apples. How many pounds of apples did Ken and Abby buy?

_____ pounds

- 4** The table shows the length of each presentation being offered at a training seminar.

Presentation Lengths	
Presentation	Time (hours)
1	$4\frac{1}{2}$
2	$3\frac{3}{4}$
3	$5\frac{1}{3}$
4	$4\frac{2}{3}$

Write the letter for each fraction of an hour to show the difference in time between each pair of presentations.

Between presentations 1 and 2 ●————●

Between presentations 2 and 4 ●————●

Between presentations 1 and 3 ●————●

A. $\frac{3}{4}$ hour B. $\frac{5}{6}$ hour C. $\frac{11}{12}$ hour

- 5** Which expressions require the renaming of mixed numbers before subtracting?
Write the letter for each expression in the correct box.

Requires Renaming

Does Not Require Renaming

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A. $5\frac{2}{5} - 2\frac{1}{4}$

B. $5 - 2\frac{7}{8}$

C. $7\frac{2}{3} - 6\frac{1}{8}$

D. $9\frac{1}{6} - 5\frac{2}{3}$

- 6** This sequence of numbers follows a rule. What is the missing number in the sequence?

$14\frac{3}{10}, 13\frac{4}{5}, 13\frac{3}{10}, \underline{\hspace{2cm}}, 12\frac{3}{10}$

- 7** Neil swam $4\frac{2}{3}$ lengths of the pool.
Mia swam $6\frac{1}{2}$ lengths of the pool.
How many more lengths of the pool did Mia swim than Neil?

(A) $1\frac{1}{6}$

(B) $1\frac{5}{6}$

(C) $2\frac{1}{6}$

(D) $2\frac{1}{2}$

8 Place an X in the table to show if each equation is true or false.

	True	False
$(1\frac{2}{3} + 3\frac{1}{3}) + \frac{4}{5} = (3\frac{1}{3} + 1\frac{2}{3}) + \frac{4}{5}$		
$(\frac{1}{8} + \frac{5}{6}) + \frac{1}{6} = \frac{1}{8} + (\frac{5}{6} + \frac{1}{6})$		
$\frac{5}{7} + (\frac{2}{9} + \frac{4}{7}) = \frac{5}{7} - (\frac{4}{7} + \frac{2}{9})$		

9 Meredith uses a rule to write this sequence of numbers.

$$\frac{3}{4}, 2, 3\frac{1}{4}, 4\frac{1}{2}$$

What rule did Meredith use?

- (A) Add $\frac{1}{4}$.
- (B) Add $\frac{1}{2}$.
- (C) Add $1\frac{1}{4}$.
- (D) Add $1\frac{1}{2}$.

10 It takes Evan $6\frac{3}{4}$ hours to mow 3 lawns. It takes him $2\frac{1}{3}$ hours to mow Mr. Gal's lawn and $1\frac{3}{4}$ hours to mow Ms. Lee's lawn. How many hours does it take Evan to mow the third lawn?

_____ hours