TEKS 5.3H

Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models.

2. Stephanie and Tiffany shared a popcorn. The models are shaded to show what fraction of the bag they each ate.

- Stephanie: _____
- Tiffany: _____

What fraction of the bag of popcorn did Stephanie and Tiffany eat?

A. \( \frac{11}{12} \)  
B. 1  
C. \( \frac{2}{5} \)  
D. \( \frac{7}{5} \)

7. Marcus spent \( \frac{1}{2} \) of his money at the arcade and \( \frac{2}{3} \) of his money on new shoes. What fraction of his money did he spend at the arcade and on shoes?

A. \( \frac{7}{5} \)  
B. 1  
C. \( \frac{1}{6} \)  
D. 1

3H: Teaching with Tiffany 2016
**1.** What equation is represented by the models?

\[
\begin{array}{c} 
\frac{1}{3} + \frac{1}{6} = \frac{5}{6} \\
\frac{2}{3} + \frac{1}{6} = \frac{5}{6} \\
\frac{2}{3} + \frac{1}{6} = \frac{5}{7} \\
\frac{2}{3} + \frac{1}{6} = \frac{1}{6}
\end{array}
\]

A) \( \frac{1}{3} + \frac{1}{6} = \frac{5}{6} \)  
B) \( \frac{2}{3} + \frac{1}{6} = \frac{5}{6} \)  
C) \( \frac{2}{3} + \frac{1}{6} = \frac{5}{7} \)  
D) \( \frac{2}{3} + \frac{1}{6} = \frac{1}{6} \)

**2.** Stephanie and Tiffany shared a bag of popcorn. The models are shaded to show what fraction of the bag they each ate.

What fraction of the bag of popcorn did Stephanie and Tiffany eat altogether?

A) \( \frac{11}{12} \)  
B) \( \frac{3}{4} \)  
C) \( \frac{2}{5} \)  
D) \( \frac{10}{12} \)

**3.** Landon has \( \frac{3}{4} \) cups of flour. He used \( \frac{1}{6} \) cups to make homemade pasta. How many cups of flour does Landon have now?

A) \( \frac{5}{12} \)  
B) \( \frac{5}{6} \)  
C) \( \frac{7}{12} \)  
D) \( \frac{1}{12} \)

**4.** Victor read for \( 1\frac{1}{2} \) of an hour on Monday and \( \frac{5}{6} \) of an hour on Tuesday. How much longer did Victor read on Monday than on Tuesday?

A) \( \frac{2}{3} \)  
B) \( \frac{5}{6} \)  
C) \( \frac{7}{12} \)  
D) \( \frac{1}{12} \)
5. The following model represents two fractions.

What is the sum of the two fractions?

A \( \frac{1}{4} \) B \( \frac{1}{5} \)
C \( \frac{3}{8} \) D \( \frac{2}{8} \)

6. Brooke used \( 1 \frac{5}{8} \) cups of sugar for a cake, and \( \frac{7}{8} \) cups of sugar for cookies. About how much more sugar did Brooke use for the cake than for the cookies?

A \( \frac{1}{2} \) cup B 1 cup
C 0 cups D 2 cups

7. Marcus spent \( \frac{1}{2} \) of his money at the arcade and \( \frac{2}{3} \) of his money on new shoes. What fraction of his money did he spend at the arcade and on shoes?

A \( \frac{7}{5} \) B 1 \( \frac{7}{6} \)
C 1 \( \frac{1}{6} \) D 1

8. The models below represent the amount of time Liam watched TV on Saturday and Sunday last weekend.

How much longer did Liam watch TV on Saturday than on Sunday last weekend?

A 1 \( \frac{1}{6} \) B \( \frac{1}{6} \)
C \( \frac{4}{6} \) D \( \frac{1}{3} \)
What equation is represented by the models?

\[
\begin{array}{c}
\frac{1}{3} + \frac{3}{4} = \frac{5}{4} \\
\frac{1}{2} + \frac{3}{4} = \frac{5}{6} \\
\frac{1}{2} + \frac{3}{4} = \frac{5}{4} \\
\frac{2}{3} + \frac{1}{6} = \frac{1}{4}
\end{array}
\]

A \quad B \\
A \quad B \\
C \quad D \\
C \quad D

Brian spent \( \frac{4}{10} \) days on his science project and 2 full days on his art project. About how much longer did Brian spend on his science project than his art project?

A 2 days  \\
B 1 day  \\
C 1 \frac{1}{2} \text{ days}  \\
D \frac{1}{2} \text{ day}

Laurie drove \( \frac{1}{2} \) mile on Monday, \( \frac{2}{3} \) mile on Tuesday, and \( \frac{1}{4} \) mile on Wednesday. How many miles did Laurie dive in all?

A \quad B \\
A \quad B \\
C \quad D \\
C \quad D

Hannah used a clock face to represent the amount of time she spent doing chores.

Hannah spent \( \frac{1}{2} \) hour vacuuming and \( \frac{1}{6} \) hour doing the dishes. Which of the following fraction does NOT show the total amount of time Hannah spent on chores?

A \( \frac{4}{6} \) \quad B \( \frac{4}{6} \) \\
C \( \frac{3}{4} \) \quad D \( \frac{3}{4} \)
13
Lane sewed a new blanket for her niece. The following models represent how much of the blanket Lane sewed on each day.

Wednesday

Thursday

Friday

How much of the blanket did Lane sew on all three days?

A 1 whole  B  One half  C \( \frac{7}{8} \)  D \( \frac{5}{8} \)

5.3H

14
Rori walked for 5 \( \frac{1}{5} \) miles during P.E class. Luke walked for 4 \( \frac{7}{8} \) miles. Which is a good estimate of the total number of miles Rori and Luke walked during P.E. class?

A 10 miles  B 5 miles  C 12 miles  D 9 miles

5.3H

15
Walter purchased \( \frac{18}{20} \) pounds of beef for his weekend cookout. They used \( \frac{3}{4} \) of the beef to make hamburgers and the rest to make chili. How much beef did they use for chili?

A \( \frac{12}{20} \)  B \( \frac{3}{20} \)  C \( \frac{3}{15} \)  D \( \frac{7}{20} \)

5.3H

16
Mickey has 1 \( \frac{1}{2} \) hours of free time before he has to go to soccer practice. If Mickey spends \( \frac{2}{3} \) of his time playing video games, how much time will he have left?

A \( \frac{5}{6} \)  B \( \frac{5}{12} \)  C \( \frac{2}{4} \)  D \( \frac{5}{15} \)

5.3H
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Use the space provided to show your work!
Name: _____________________________

5.3H Task Cards Recording Sheet

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Use the space provided to show your work!
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