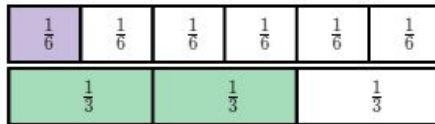Name_____Date_____

5th Grade: Review Test- Adding and Subtracting Fractions

1.

Add.

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

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

2. Compute: $\frac{3}{4} + \frac{5}{8}$

3. Solve. $\frac{1}{4} + \frac{9}{10} - \frac{3}{8}$

4. An expression is shown.

$\frac{2}{3} + \frac{1}{9}$

Which expression have like denominators that could be used as a next step to add the two fractions?
Select the TWO correct answers.

   A. $\frac{18}{27} + \frac{3}{27}$
   B. $\frac{2}{9} + \frac{3}{27}$
   C. $\frac{2}{9} + \frac{1}{9}$
   D. $\frac{6}{9} + \frac{1}{9}$
   E. $\frac{2}{3} + \frac{1}{3}$
   F. $\frac{2}{3} + \frac{4}{18}$

5. Ralph measured the length of an icicle two times. The first time Ralph measured the icicle, it was $5\frac{1}{4}$ inches long. The second time Ralph measured the icicle, it had partly melted and was $3\frac{3}{4}$ inches long. How many inches shorter was the icicle the second time Ralph measured it compared to the first time he measured it?

6. The length of Shark Trail is $8\frac{3}{4}$ miles. The length of Sunflower Trail is $4\frac{8}{10}$ miles.

What is the difference in length between Shark Trail and Sunflower Trail?

7. Elizabeth walks $\frac{1}{4}$ mile in the morning to school. She walks $\frac{3}{8}$ mile in the afternoon to a friend's house. Elizabeth says that she walks a total of $\frac{4}{12}$ mile in the morning and afternoon. Which TWO statements are true?

    A. The fractions $\frac{1}{4}$ and $\frac{3}{8}$ are greater than or equal to $\frac{1}{4}$, so the total must be greater than $\frac{1}{2}$.
        The fraction $\frac{4}{12}$ is less than $\frac{1}{2}$, so the total of $\frac{4}{12}$ is not reasonable.

    B. The fraction $\frac{4}{12}$ is $\frac{1}{3}$, and $\frac{1}{3}$ is greater than $\frac{1}{4}$. Since $\frac{4}{12}$ is greater than on of the addends,
        the total of $\frac{4}{12}$ is reasonable.

    C. The fractions $\frac{4}{12}$, $\frac{1}{4}$, and $\frac{3}{8}$ are less than $\frac{1}{2}$, so the total of $\frac{4}{12}$ is reasonable.

    D. Since $\frac{4}{12}$ is less than $\frac{3}{8}$, the total of $\frac{4}{12}$ is not reasonable.

    E. Since $\frac{1}{4}$ plus $\frac{3}{8}$ is $\frac{4}{12}$, the total of $\frac{4}{12}$ is reasonable.

8. A student will estimate the value of this expression.
$$\frac{1500}{2974} + \frac{98}{399}$$
Which of the following is closest to the value of the expression?

    A. $\frac{1}{2} + \frac{1}{2}$
    B. $\frac{1}{2} + \frac{1}{3}$
    C. $\frac{4}{5} + \frac{1}{2}$
    D. $\frac{1}{2} + \frac{1}{4}$

9. Joshua spent $\frac{3}{4}$ of an hour playing soccer and $\frac{2}{9}$ of an hour practicing the clarinet. What is the total amount of time, in hours, Joshua spent playing soccer and practicing the clarinet?

10. Fran needs $2\frac{3}{4}$ cups of sugar to make sugar cookies and $3\frac{1}{2}$ cups of sugar to make peanut butter cookies.What is the total number of cups of sugar that Fran will need to make both kinds of cookies?

11. Ms. Zoe asked her students to solve the equation shown below.

$\frac{8}{9} + \frac{15}{10} = n$

Which of the following is **closest** to the value of n?
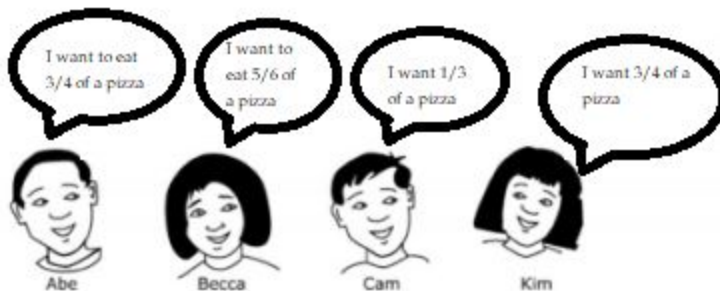
    A. $1\frac{1}{2}$

    B. 2

    C. $2\frac{1}{2}$

    D. $9\frac{1}{2}$

12. Four students plan to share the cost for ordering pizza. Each student says how much of a whole pizza they want to eat as show.

I want to eat 3/4 of a pizza — Abe
I want to eat 5/6 of a pizza — Becca
I want 1/3 of a pizza — Cam
I want 3/4 of a pizza — Kim

-Cam and Kim only want Hawian pizza.
-Abe and Becca only want cheese pizza.
-Pizzas can only be ordered as a whole pizza.
What is the minimum number of whole pizzas they must order that each student has as much of the kind of pizza they want to eat?

13. Lilly has 5 square yards of fabric. She will make one small blanket that requires $3\frac{4}{5}$ square yards of fabric and a pillow that requires $\frac{3}{5}$ square yard of fabric. Explain and show your work on how much fabric Lilly will have left over.

14. Gladys works at a clothing store. She sold $\frac{1}{3}$ of the total number of purple shirts on Wednesday and $\frac{3}{5}$ of the total number of purple shirts on Thursday.

Part A. What fraction of purple shirts did Gladys sell on Wednesday and Thursday?

Part B. Gladys sold $\frac{2}{12}$ of the total number of purple shirts on Friday. What is the difference in the fraction of the total number of purple shirts that were sold on Thursday and Friday?