Name Key

Choose the correct answer.

1. 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 in all?

   A $5\frac{1}{8}$ pounds

   B $5\frac{1}{3}$ pounds

   C $5\frac{7}{8}$ pounds

   D $6\frac{1}{4}$ pounds

2. Gabrielle paints flower pots to sell at the craft fair. She paints $\frac{2}{5}$ of a flower pot teal, $\frac{1}{4}$ of it yellow, and the rest of it white. What fraction of the pot is painted either teal or yellow?

   A $\frac{3}{20}$

   B $\frac{3}{5}$

   C $\frac{13}{20}$

   D $\frac{3}{4}$

3. Evan walked $\frac{5}{8}$ mile to his friend's house. Then together they walked $\frac{7}{12}$ mile to the movie theater. Which pair of fractions can Evan use to find how far he walked in all?

   A $\frac{15}{24}$ and $\frac{21}{24}$

   B $\frac{15}{24}$ and $\frac{14}{24}$

   C $\frac{10}{24}$ and $\frac{14}{24}$

   D $\frac{60}{96}$ and $\frac{84}{96}$

4. Dexter rode his bike $\frac{9}{10}$ mile from his house to the store. Then he rode $\frac{4}{10}$ mile to his uncle's house. Use benchmarks to estimate how far he rode his bike altogether.

   A about $\frac{1}{2}$ mile

   B about 1 mile

   C about $1\frac{1}{2}$ miles

   D about 2 miles

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5. Tom jogged $\frac{3}{5}$ mile on Monday and $\frac{2}{6}$ mile on Tuesday. How much **farther** did Tom jog on Monday than on Tuesday?

A $\frac{1}{30}$ mile

B $\frac{3}{15}$ mile

C $\frac{4}{15}$ mile

D $\frac{14}{15}$ mile

6. Spencer bought $5\frac{1}{2}$ pounds of potatoes and $3\frac{3}{4}$ pounds of tomatoes to make stew. How many pounds of potatoes and tomatoes did he buy in all?

A $8\frac{1}{4}$ pounds

B $8\frac{2}{3}$ pounds

C $9\frac{1}{4}$ pounds

D $9\frac{3}{8}$ pounds

7. Alana bought $\frac{3}{8}$ pound of Swiss cheese and $\frac{1}{4}$ pound of American cheese. Which pair of fractions **cannot** be used to find how many pounds of cheese she bought in all?

A $\frac{6}{16}$ and $\frac{4}{16}$

B $\frac{9}{24}$ and $\frac{6}{24}$

C $\frac{24}{64}$ and $\frac{8}{64}$

D $\frac{15}{40}$ and $\frac{10}{40}$

8. Molly bought $\frac{7}{8}$ pound of grapes and $\frac{5}{16}$ pound of cranberries. What is the least common denominator of the fractions?

A 14

B 16

C 24

D 128

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9. It takes April $7\frac{1}{3}$ hours to drive to her grandparents' house. So far she has driven $3\frac{5}{6}$ hours. How many more hours does April need to drive?

A $3\frac{1}{3}$ hours

B $3\frac{1}{2}$ hours

C $4\frac{1}{3}$ hours

D $4\frac{1}{2}$ hours

10. Sophia baby-sat for $3\frac{7}{12}$ hours on Friday. She baby-sat $2\frac{5}{6}$ hours on Saturday. Which is the **best** estimate of how many hours Sophia baby-sat altogether?

A about $5\frac{1}{2}$ hours

B about 6 hours

C about $6\frac{1}{2}$ hours

D about 7 hours

11. Larry wrote this expression to show the total number of hours he spent driving during the last three weeks.

$$\left(5\frac{2}{5} + 7\frac{4}{10}\right) + 9\frac{1}{10}$$

Which shows another way to write the expression using the Associative Property of Addition?

A $5\frac{2}{5} + \left(7\frac{4}{10} + 9\frac{1}{10}\right)$

B $5\frac{2}{5} + \left(9\frac{1}{10} + 7\frac{4}{10}\right)$

C $\left(7\frac{4}{10} + 9\frac{1}{10}\right) + 5\frac{2}{5}$

D $(5 + 9 + 4) + \left(\frac{2}{5} + \frac{4}{10} + \frac{1}{10}\right)$

12. On Saturday, Percy biked for $6\frac{3}{12}$ hours. On Sunday, he biked $5\frac{2}{3}$ hours. Which is the quickest strategy Percy can use to find the least common denominator, so he can add the hours he biked over the weekend?

A Multiply denominators since they share no common factors other than 1.

B Find all the multiples of each denominator.

C One denominator is a multiple of the other, so the multiple is the LCD.

D Add the denominators to find the least common multiple.

GO ON

Write the correct answer.

13. Mrs. Meade compares 3 different zucchini bread recipes. The table shows the amount of flour each recipe requires.

Zucchini Bread Recipes

Recipe	Flour (in cups)
1	$2\frac{1}{4}$
2	3
3	$1\frac{2}{3}$

How much more flour is used in Recipe 1 than in Recipe 3?

$\frac{7}{12}$ cup

14. Mr. Cohen drives $84\frac{2}{10}$ miles on Tuesday, $84\frac{6}{10}$ miles on Wednesday, and 85 miles on Thursday. By how many miles does Mr. Cohen increase his driving distance each day?

$\frac{4}{10}$ or $\frac{2}{5}$ mile

15. Tatiana bought $5\frac{1}{6}$ yards of fabric to make aprons. She cut $1\frac{3}{4}$ yards of fabric to make one apron. How much fabric did Tatiana have left?

$3\frac{5}{12}$ yards

16. Mason bought $8\frac{1}{4}$ feet of wire. He cut off a piece of wire $3\frac{5}{12}$ feet long and used it for his science project. How much wire did Mason have left?

$4\frac{5}{6}$ feet

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17. 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?

$2\frac{2}{3}$ hours

18. Tristan walked for $13\frac{1}{4}$ hours in May and June altogether. In May, he walked $6\frac{4}{6}$ hours. How many hours did he walk in June?

$6\frac{7}{12}$ hours

19. Kareena uses $1\frac{1}{4}$ yards of fabric to make one tote, $2\frac{1}{2}$ yards of fabric to make two totes, and $3\frac{3}{4}$ yards of fabric to make three totes. She continues to use the same amount of fabric for each tote. How many yards of fabric will she need to make 4 totes?

5 yards

20. George worked on his science project for a total of $2\frac{2}{3}$ hours. He worked on it for $\frac{5}{12}$ hour on Monday and $\frac{3}{4}$ hour on Tuesday. He finished up the project on Wednesday. How long did George work on his science project on Wednesday?

$1\frac{1}{2}$ hours

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21. Ms. Volkerson bought $3\frac{7}{8}$ yards of fabric. She used $1\frac{1}{3}$ yards to make an apron. Which is the **best** estimate of how many yards of fabric Ms. Volkerson has now?

Possible estimate: 3 yards

22. Mr. Clements painted his barn for $3\frac{3}{5}$ hours in the morning. He painted the barn for $5\frac{3}{4}$ hours in the afternoon. How many more hours did he paint in the afternoon than in the morning?

$2\frac{3}{20}$ hours

23. Sandy had $\frac{5}{8}$ pound of strawberries. She used $\frac{4}{16}$ pound of strawberries to make smoothies. How many pounds of strawberries does Sandy have now?

$\frac{3}{8}$ pound

24. Brayden logged $3\frac{2}{3}$ hours last week in his reading journal and $2\frac{3}{6}$ hours this week. How many **fewer** hours did Brayden log in his reading journal this week than last week?

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

25. Emma bought 3 packages of ground beef. The packages weighed $1\frac{5}{8}$ pounds, $3\frac{7}{16}$ pounds, and $2\frac{3}{8}$ pounds. She wrote this expression to show the total number of pounds of ground beef that she bought.

$$\left(1\tfrac{5}{8} + 3\tfrac{7}{16}\right) + 2\tfrac{3}{8}$$

What is another way to write the expression using the Commutative Property of Addition?

Possible answer: $\left(3\tfrac{7}{16} + 1\tfrac{5}{8}\right) + 2\tfrac{3}{8}$

$\left(1\tfrac{5}{8} + 2\tfrac{3}{8}\right) + 3\tfrac{7}{16}$

or

$3\tfrac{7}{16} + \left(1\tfrac{5}{8} + 2\tfrac{3}{8}\right)$

GO ON