NAME _____ DATE _____ PERIOD _____

Write the letter for the correct answer in the blank at the right of each question.

1. Round $\frac{9}{11}$ to the nearest half.

A. 0 B. $\frac{1}{2}$ C. 1 D. $\frac{3}{4}$ 1. _____

2. Round $9\frac{3}{8}$ to the nearest half.

F. 9 G. $9\frac{1}{2}$ H. 10 I. $9\frac{1}{4}$ 2. _____

3. Estimate $15\frac{6}{11} + 7\frac{7}{8}$.

A. 24 B. $22\frac{1}{2}$ C. 23 D. $23\frac{1}{2}$ 3. _____

4. Estimate $\frac{8}{9} - \frac{1}{8}$.

F. 0 G. $\frac{1}{2}$ H. 1 I. $\frac{1}{4}$ 4. _____

5. Estimate $2\frac{2}{3} - \frac{1}{5}$.

A. 1 B. $1\frac{1}{2}$ C. 2 D. $2\frac{1}{2}$ 5. _____

6. **BOOKSHELF** Rose's tallest books are $12\frac{3}{4}$ inches tall. When she adjusts the shelf height for them, what is her best choice?

F. $11\frac{3}{4}$ in. G. 12 in. H. $12\frac{1}{2}$ in. I. 13 in. 6. _____

7. Find $\frac{3}{7} + \frac{6}{7}$.

A. $1\frac{3}{7}$ B. $1\frac{2}{7}$ C. $1\frac{1}{2}$ D. $\frac{9}{14}$ 7. _____

8. Find $\frac{5}{9} - \frac{2}{9}$.

F. 0 G. $\frac{1}{3}$ H. $\frac{7}{9}$ I. 1 8. _____

9. **CHOCOLATE MILK** A recipe calls for $\frac{7}{8}$ cup of milk and $\frac{1}{8}$ cup of syrup. What is the total amount of milk and syrup in the recipe?

A. $1\frac{1}{8}$ cups B. $\frac{1}{2}$ cup C. $\frac{3}{4}$ cup D. 1 cup 9. _____

10. Find $\frac{2}{5} + \frac{3}{10}$.

F. $\frac{1}{2}$ G. $\frac{1}{5}$ H. $\frac{1}{3}$ I. $\frac{7}{10}$ 10. _____

11. Find $\frac{8}{9} - \frac{2}{3}$.

A. $\frac{2}{9}$ B. 0 C. 1 D. $\frac{2}{3}$ 11. _____

12. Find $\frac{1}{2} + \frac{2}{3}$.

F. $\frac{3}{5}$ G. $\frac{1}{2}$ H. $\frac{2}{7}$ I. $1\frac{1}{6}$ 12. _____

13. What is the sum of $\frac{5}{6}$ and $\frac{7}{12}$?

A. $\frac{2}{3}$ B. $1\frac{5}{12}$ C. $1\frac{7}{12}$ D. 2 13. _____

14. Find $7\frac{9}{10} - 3\frac{1}{10}$.

F. $4\frac{1}{2}$ G. $4\frac{4}{5}$ H. 4 I. $4\frac{3}{10}$ 14. _____

15. Find $9\frac{3}{8} + 2\frac{5}{6}$.

A. $11\frac{5}{24}$ B. $12\frac{5}{24}$ C. $11\frac{29}{48}$ D. $11\frac{4}{7}$ 15. _____

16. Find $9\frac{5}{8} - 4\frac{3}{16}$.

F. $5\frac{7}{16}$ G. $4\frac{7}{16}$ H. $13\frac{13}{16}$ I. $13\frac{1}{4}$ 16. _____

17. Evaluate $a + b$ if $a = 3\frac{2}{3}$ and $b = 6\frac{3}{4}$.

A. $9\frac{5}{7}$ B. $10\frac{5}{12}$ C. $9\frac{5}{12}$ D. $10\frac{5}{7}$ 17. _____

18. Find $9\frac{1}{12} - 2\frac{3}{4}$.

F. $7\frac{2}{3}$ G. $6\frac{1}{3}$ H. $7\frac{3}{48}$ I. $7\frac{1}{3}$ 18. _____

19. Find $20 - 6\frac{9}{10}$.

A. $13\frac{9}{10}$ B. $14\frac{9}{10}$ C. $14\frac{1}{10}$ D. $13\frac{1}{10}$ 19. _____

20. **PLUMBING** A metal pipe is $26\frac{3}{16}$ inches long. A plumber needs a $25\frac{1}{2}$-inch-long pipe. How much of the pipe does the plumber need to cut off?

F. $\frac{11}{16}$ in. G. $1\frac{11}{16}$ in. H. $51\frac{11}{16}$ in. I. $1\frac{1}{7}$ in. 20. _____

Extra Credit: Worth 5 points

Bonus **ICE** Josiah had a 40-quart cooler that was partially filled with ice. He added $21\frac{3}{4}$ quarts of ice to fill it up. How much ice was in the cooler before Josiah added any ice?

B: _____

NAME Answer Key DATE _____ PERIOD _____

Write the letter for the correct answer in the blank at the right of each question.

1. Round $\frac{9}{11}$ to the nearest half.

A. 0 B. $\frac{1}{2}$ C. 1 D. $\frac{3}{4}$ 1. C

2. Round $9\frac{3}{8}$ to the nearest half.

F. 9 G. $9\frac{1}{2}$ H. 10 I. $9\frac{1}{4}$ 2. G

3. Estimate $15\frac{6}{11} + 7\frac{7}{8}$. $15\frac{1}{2}+8$

A. 24 B. $22\frac{1}{2}$ C. 23 D. $23\frac{1}{2}$ 3. D

4. Estimate $\frac{8}{9} - \frac{1}{8}$.

F. 0 G. $\frac{1}{2}$ H. 1 I. $\frac{1}{4}$ 4. H

5. Estimate $2\frac{2}{3} - \frac{1}{5}$.

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

6. **BOOKSHELF** Rose's tallest books are $12\frac{3}{4}$ inches tall. When she adjusts the shelf height for them, what is her best choice?

F. $11\frac{3}{4}$ in. G. 12 in. H. $12\frac{1}{2}$ in. I. 13 in. 6. I

7. Find $\frac{3}{7} + \frac{6}{7}$. $\frac{9}{7}=1\frac{2}{7}$

A. $1\frac{3}{7}$ B. $1\frac{2}{7}$ C. $1\frac{1}{2}$ D. $\frac{9}{14}$ 7. B

8. Find $\frac{5}{9} - \frac{2}{9}$.

F. 0 G. $\frac{1}{3}$ H. $\frac{7}{9}$ I. 1 8. G

9. **CHOCOLATE MILK** A recipe calls for $\frac{7}{8}$ cup of milk and $\frac{1}{8}$ cup of syrup. What is the total amount of milk and syrup in the recipe?

A. $1\frac{1}{8}$ cups B. $\frac{1}{2}$ cup C. $\frac{3}{4}$ cup D. 1 cup 9. D

10. Find $\frac{2}{5}\frac{4}{10} + \frac{3}{10}$.

F. $\frac{1}{2}$ G. $\frac{1}{5}$ H. $\frac{1}{3}$ I. $\frac{7}{10}$ 10. I

11. Find $\frac{8}{9} - \frac{2}{3}\frac{6}{9}$

A. $\frac{2}{9}$ B. 0 C. 1 D. $\frac{2}{3}$ 11. A

$\frac{3}{6}$ $\frac{4}{6}$

12. Find $\frac{1}{2} + \frac{2}{3}$.

F. $\frac{3}{5}$ **G.** $\frac{1}{2}$ **H.** $\frac{2}{7}$ **I.** $1\frac{1}{6}$ **12.** I

$\frac{10}{12}$ $\frac{17}{12}$

13. What is the sum of $\frac{5}{6}$ and $\frac{7}{12}$?

A. $\frac{2}{3}$ **B.** $1\frac{5}{12}$ **C.** $1\frac{7}{12}$ **D.** 2 **13.** B

14. Find $7\frac{9}{10} - 3\frac{1}{10}$.

F. $4\frac{1}{2}$ **G.** $4\frac{4}{5}$ **H.** 4 **I.** $4\frac{3}{10}$ **14.** G

$\frac{9}{24}$ $\frac{20}{24}$ $11\frac{29}{24}$

15. Find $9\frac{3}{8} + 2\frac{5}{6}$.

A. $11\frac{5}{24}$ **B.** $12\frac{5}{24}$ **C.** $11\frac{29}{48}$ **D.** $11\frac{4}{7}$ **15.** B

16. Find $9\frac{5}{8}$ $\frac{10}{16}$ $4\frac{3}{16}$. $5\frac{7}{16}$

F. $5\frac{7}{16}$ **G.** $4\frac{7}{16}$ **H.** $13\frac{13}{16}$ **I.** $13\frac{1}{4}$ **16.** F

17. Evaluate $a + b$ if $a = 3\frac{2}{3}$ and $b = 6\frac{3}{4}$. $3\frac{8}{12} + 6\frac{9}{12} = 9\frac{17}{12} = 10\frac{5}{12}$

A. $9\frac{5}{7}$ **B.** $10\frac{5}{12}$ **C.** $9\frac{5}{12}$ **D.** $10\frac{5}{7}$ **17.** B

$\cancel{9}\,8\frac{13}{12}$ $2\frac{3}{4}\,\frac{9}{12}$

18. Find $\cancel{9}\,8\frac{13}{12} - 2\frac{3}{4}\,\frac{9}{12}$

F. $7\frac{2}{3}$ **G.** $6\frac{1}{3}$ **H.** $7\frac{3}{48}$ **I.** $7\frac{1}{3}$ **18.** G

$19\frac{10}{10}$

19. Find $20 - 6\frac{9}{10}$.

A. $13\frac{9}{10}$ **B.** $14\frac{9}{10}$ **C.** $14\frac{1}{10}$ **D.** $13\frac{1}{10}$ **19.** D

$25\frac{3}{16}$ $26\frac{1}{16}$ $25\frac{8}{16}$

20. **PLUMBING** A metal pipe is $26\frac{3}{16}$ inches long. A plumber needs a $25\frac{1}{2}$-inch-long pipe. How much of the pipe does the plumber need to cut off?

F. $\frac{11}{16}$ in. **G.** $1\frac{11}{16}$ in. **H.** $51\frac{11}{16}$ in. **I.** $1\frac{1}{7}$ in. **20.** F

Extra Credit: Worth 5 points

Bonus **ICE** Josiah had a 40-quart cooler that was partially filled with ice. He added $21\frac{3}{4}$ quarts of ice to fill it up. How much ice was in the cooler before Josiah added any ice?

B: $18\frac{1}{4}$ qts of ice

$40 = 39\frac{4}{4}$
$-\ 21\frac{3}{4} = 21\frac{3}{4}$
$18\frac{1}{4}$