Name _____

Write the correct answer.

1. Write whether $\frac{1}{3}$ is closest to 0, $\frac{1}{2}$, or 1.

_____

For 2–3, ESTIMATE the sum or difference.

2. $\frac{1}{16} + \frac{1}{3}$

_____

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

_____

For 4–8, find the sum or difference. Write the answer in simplest form.

4. $\frac{3}{16} + \frac{9}{16}$

_____

5. $\frac{9}{25} - \frac{4}{25}$

_____

6. $\frac{3}{4} + \frac{1}{16}$

_____

7. $\frac{23}{36} - \frac{5}{12}$

_____

8. $\frac{3}{4} - \frac{3}{8}$

_____

9. On the third day after Samantha first measured it, the icicle on her fence was $\frac{17}{18}$ yd long. This was $\frac{5}{9}$ yd longer than it was on Day 2. The length on Day 2 was $\frac{1}{3}$ yd longer than on Day 1. What was the length of the icicle on Day 1?

_____

10. Daniel walked from home to three different places. At the third place, he was $\frac{11}{12}$ mi away from home. This was $\frac{3}{8}$ mi farther away than the second place. The second place was $\frac{5}{12}$ mi farther away than the first place. How far away from home was the first place?

_____

Go On

Name _____

11. $1\frac{7}{8} + 4\frac{1}{4}$

_____

12. Find the value of n.

$n + 9\frac{2}{3} = 11\frac{5}{9}$

_____

13. $7\frac{1}{6} - 3\frac{1}{2}$

_____

14. Find the value of n.

$n - 4\frac{3}{4} = 7\frac{1}{8}$

_____

For 15–18, write the answer in simplest form.

15. $4\frac{3}{8}$

$-1\frac{15}{16}$

_____

16. $8\frac{5}{8}$

$+11\frac{5}{12}$

_____

17. $13\frac{1}{7} - 5\frac{1}{2}$

_____

18. $\frac{8}{9} + 7\frac{1}{4} + 3\frac{4}{9}$

_____

For 19–20, complete and use the table.

At Debbie's Doughnuts, Debbie records how many dozen of each type of doughnut are sold every day. Some entries are missing from her record book for today's sales.

DOUGHNUT SUPPLY (IN DOZENS)			
Type	Start	Sold	Remaining
Plain	$4\frac{1}{3}$	$3\frac{5}{12}$	■
Chocolate	$3\frac{3}{4}$	■	$2\frac{1}{3}$
Jelly	■	■	$2\frac{3}{4}$
Total	15	■	■

19. How many dozen doughnuts had been sold by the end of the day?

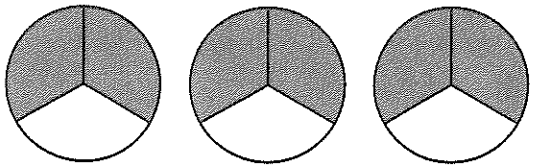
_____

20. How many dozen jelly doughnuts had been sold by the end of the day?

_____

Go On

21. Write a multiplication number sentence represented by the model.



_____

22. Compare. Write <, >, or = in the ◯.

$\frac{1}{3} \times 18 \bigcirc \frac{2}{3} \times 9$

23. $\frac{5}{12} \times 24$

_____

For 24–28, multiply. Write the answer in simplest form.

24. $\frac{1}{4} \times \frac{2}{9}$

_____

25. $\frac{4}{7} \times \frac{1}{3}$

_____

26. $\frac{1}{6} \times \frac{4}{5}$

_____

27. $4\frac{1}{8} \times 3\frac{2}{3}$

_____

28. $3\frac{7}{8} \times 2\frac{1}{2}$

_____

For 29–30, use the information below.

Raymundo put $\frac{1}{8}$ of his paycheck in the bank. He lent a friend $\frac{1}{3}$ of what was left. He used $\frac{1}{4}$ of his remaining money to buy some in-line skates. Afterward, he spent $\frac{2}{7}$ of the remaining amount on four tickets to a ball game. Finally, he spent $\frac{1}{2}$ of his remaining money on groceries. His check was $480.00.

29. How much did Raymundo spend on groceries?

_____

30. What was the cost of one ticket to the ball game?

_____

Go On

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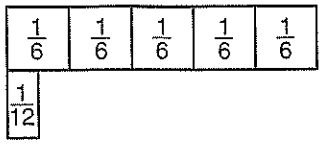
31. Write a division number sentence to match the model.



_____

32. How many eighths are in 16?

_____

33. The yogurt shop has $\frac{3}{4}$ cup of pecans. If each serving of frozen yogurt has $\frac{1}{24}$ cup of pecans as a topping, how many servings can the shop make?

_____

For 34–35, divide. Write the answer in simplest form.

34. $2\frac{3}{4} \div 6\frac{3}{5}$

_____

35. $\frac{17}{24} \div \frac{3}{8}$

_____

For 36–37, use reciprocals to divide. Write the answer in simplest form.

36. $12 \div \frac{3}{16}$

_____

37. $35 \div \frac{5}{7}$

_____

38. Write the reciprocal of $\frac{22}{23}$.

_____

39. Use reciprocals to write a multiplication problem for the division.

$3\frac{2}{5} \div 1\frac{7}{15}$

_____

40. Elisa ran $1\frac{3}{4}$ miles. This is $\frac{2}{3}$ of the distance Xinia ran. How many more miles must Elisa run to equal Xinia's distance?

_____

Stop