

Name _____

FLPS

Bob Cats & Lions Study Guide 2020-2021

Math

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?

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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.
$$\begin{array}{r} 4\frac{3}{8} \\ -1\frac{15}{16} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 8\frac{5}{8} \\ +11\frac{5}{12} \\ \hline \end{array}$$

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	■	■

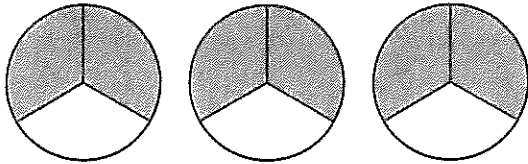
19. How many dozen doughnuts had been sold by the end of the day?

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

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



22. Compare. Write $<$, $>$, or $=$ in the \bigcirc .

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

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.

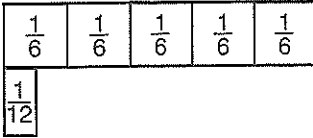
29. How much did Raymundo spend on groceries?

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



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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