

1. On a calculator, $5 \text{ a}^{\text{b/c}} 4$ is the same as which of the following?

- A. $5\frac{1}{4}$ B. $51\frac{1}{4}$ C. $51\frac{1}{4}$ D. $1\frac{1}{4}$

2. For which of the following has the equals key *not* been pressed?

- A. 5 B. 5.

Write the answers for the following.

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

6. $16 \div \frac{3}{8}$

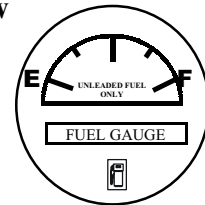
4. $7 - \frac{4}{5}$

7. Change $3\frac{7}{16}$ to decimal.

5. $2\frac{3}{8} + 1\frac{2}{3}$

8. Change $10\frac{13}{32}$ to decimal.

A 16-gallon gasoline tank is filled just before starting a trip. After a few hours, the gauge shows you have used three-fourths of the tank.



9. How many gallons have you used?
10. How many gallons are left in the tank?

A small roller coaster can carry 12 passengers on each cycle.

11. If a new cycle starts every 5 minutes, how many cycles does the roller coaster make in one hour?
12. How many passengers can ride each hour?
13. How long would it take to ride 18 people?
14. The doctor has instructed an elderly patient to exercise for a total of 45 minutes each day. The patient is willing to exercise in three sessions. How long should each session last?
15. Charles ate 5 candy bars. If each bar weighs $1\frac{3}{4}$ ounces, how many ounces did he eat?
16. Multiple Choice: Renaldo earns \$7.72 per hour, working 40 hours each week. Another job pays \$16,000 per year. If Bill works 52 weeks per year, which job pays more money?
17. Shampoo comes in 128-ounce containers. On average, each customer needs 5 ounces per wash. How many people can have shampoo from one 128-ounce container?

18. The label on a bottle of medicine reads, "Four tablets, three times a day." How many tablets are needed for two weeks?

The recommended dosage for a medication is 4.2 mg per pound of body weight.

19. For a 150-pound patient, about what would you expect your doctor to recommend for a daily dosage?

20. For a one-week hospital stay, how much medication would be needed?

Write the answers for the following.

21. $1\frac{1}{4} - \frac{3}{8}$

23. $3\frac{1}{5} + 6\frac{4}{5} - 2\frac{2}{5}$

22. $\frac{3}{10} + \frac{1}{5} + \frac{1}{2}$

24. Find the common fraction closest to 0.555555555555.

25. Rodney is 6 ft 5 $\frac{3}{4}$ inches tall. Four years ago he was 6 feet 1 $\frac{5}{8}$ inches tall. How much has he grown in the four years?

26. If the minimum wage goes up to \$6.50 per hour. How much would a worker expect to earn in one year (52 weeks), working 40 hours each week?

27. How many cubic yards of dirt are needed to fill a raised garden that is 10 $\frac{1}{2}$ yards long, 1 $\frac{1}{4}$ yards wide, and $\frac{1}{2}$ yard deep? Use $V = \text{Length} \times \text{width} \times \text{depth}$.

28. You are preparing for a wedding reception. Small bundles of birdseed are to be tossed at the happy couple. Each bundle has $\frac{3}{8}$ cup of birdseed. For 19 people, how many cups would you need?