

## Return of the Calculator - Fractions and Decimals

Directions: Solve each word problem. Choose the correct answer (A–D). USE YOUR CALCULATOR!

1. A minor-league baseball stadium has 6000 seats. One night the stadium sold 5500 seats. What fraction of the seats were sold?

- A)  $\frac{5}{6}$
- B)  $\frac{8}{9}$
- C)  $\frac{9}{10}$
- D)  $\frac{11}{12}$

2. Susan baked  $3\frac{1}{2}$  dozen cookies. She gave away  $1\frac{3}{4}$  dozen to neighbors. How many dozen cookies does she have left?

- A)  $1\frac{1}{4}$
- B)  $1\frac{3}{4}$
- C) 2
- D)  $2\frac{1}{2}$

3. A tank holds 15.5 gallons of water. If it currently has 7.75 gallons, how many more gallons are needed to fill it?

- A) 8.25
- B) 7.5
- C) 6.75
- D) 7.25

4. A student read  $\frac{3}{4}$  of a book on Monday and  $\frac{2}{5}$  on Tuesday. How much more of the book does the student need to read?

- A)  $\frac{1}{20}$
- B)  $\frac{1}{5}$
- C)  $\frac{3}{10}$



D)  $\frac{7}{20}$

5. Logan bought 2.5 pounds of bananas and 1.75 pounds of apples. What is the total weight of the fruit he bought?

A) 4.25

B) 4.15

C) 4.1

D) 4.3

6. A ribbon is  $4\frac{1}{2}$  feet long. If it is cut into 3 equal pieces, how long is each piece?

A)  $1\frac{1}{2}$

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

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

D)  $1\frac{1}{4}$

7. A recipe calls for  $\frac{3}{4}$  cup of milk. If you triple the recipe, how much milk do you need?

A)  $1\frac{3}{4}$

B)  $2\frac{1}{4}$

C)  $2\frac{1}{2}$

D) 3

8. A car travels 125.6 miles on 4 gallons of gas. What is the car's fuel efficiency in miles per gallon?

A) 31.2

B) 30.4

C) 32.5

D) 33.1

9. A group of students shared  $\frac{5}{6}$  of a pizza equally. If there were 3 students, how much did each student get?

A)  $\frac{1}{2}$

B)  $\frac{1}{4}$



C)  $\frac{2}{9}$

D)  $\frac{5}{18}$

10. A box of cereal weighs 18.75 ounces. How many ounces are in 2 boxes?

A) 36.25

B) 37.5

C) 38

D) 39.5

11. A class collected  $2\frac{2}{3}$  pounds of cans the first week and  $3\frac{1}{3}$  pounds the second week. How many pounds did they collect total?

A) 6

B)  $5\frac{1}{2}$

C)  $6\frac{1}{4}$

D)  $6\frac{1}{3}$

12. Tanya jogged 6.25 miles Monday, 5.5 miles Tuesday, and 7.75 miles Wednesday. What was her total distance?

A) 19.25

B) 19.5

C) 18.75

D) 19

13. A watermelon weighs 7.2 pounds. A cantaloupe weighs 4.85 pounds. What's the total weight?

A) 12.05

B) 11.95

C) 12.1

D) 11.9

14. A piece of wood is  $3\frac{1}{2}$  feet long. If  $1\frac{1}{4}$  feet is cut off, how much remains?

A) 2



B)  $2 \frac{1}{2}$

C)  $2 \frac{1}{4}$

D)  $2 \frac{3}{4}$

15. A baker uses  $\frac{1}{3}$  cup of sugar for one cake. How many cups of sugar are needed for 5 cakes?

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

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

C) 2

D)  $1 \frac{1}{2}$



**Answer Key**

1. C
2. A
3. D
4. D
5. C
6. A
7. B
8. A
9. D
10. B
11. A
12. B
13. A
14. C
15. B

