

TEST BANK



**BASIC
MATHEMATICS**

through Applications

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CHAPTER 2, FORM A**BASIC MATHEMATICS**

NAME _____

SECTION _____

1. List all the factors of 36. 1. _____
2. Write 60 as the product of prime factors. 2. _____
3. What fraction of the diagram is shaded? 3. _____



4. Write $3\frac{4}{5}$ as an improper fraction. 4. _____
5. Express $\frac{15}{8}$ as a mixed number. 5. _____
6. Write $\frac{18}{24}$ in simplest form. 6. _____
7. Which is greater, $\frac{2}{3}$ or $\frac{3}{5}$? 7. _____
8. What is the LCD for $\frac{3}{10}$ and $\frac{11}{15}$? 8. _____

Add.

9. $\frac{2}{3} + \frac{1}{4} + \frac{5}{6}$ 9. _____
10. $3\frac{5}{6} + 2\frac{1}{4}$ 10. _____

Subtract.

11. $9 - 2\frac{2}{3}$ 11. _____
12. $8\frac{3}{10} - 5\frac{3}{4}$ 12. _____

Multiply.

13. $\frac{2}{5}^2$ 13. _____

14. $3\frac{1}{3} \times 1\frac{1}{2}$ 14. _____

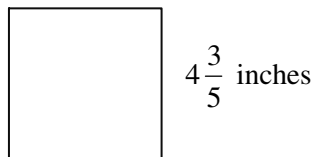
15. Divide: $4\frac{2}{3} \div 7$ 15. _____

16. Calculate: $9\frac{2}{3} - 3 \cdot 2\frac{1}{2}$ 16. _____

Solve. Write your answer in simplest form.

17. When a civic club elected officers, 36 members voted. The winning candidate received 24 votes. What fraction of the votes did the winner receive? 17. _____

18. During a sale, a pair of shoes could be bought for two-thirds of the original price. If the shoes originally sold for \$75, what was the sale price? 18. _____

19. Find the perimeter of a square if each side measures $4\frac{3}{5}$ inches. 19. _____20. A piece of pipe is 20 feet long. If a plumber cuts off a piece $7\frac{3}{4}$ feet long, how much pipe will be left? 20. _____