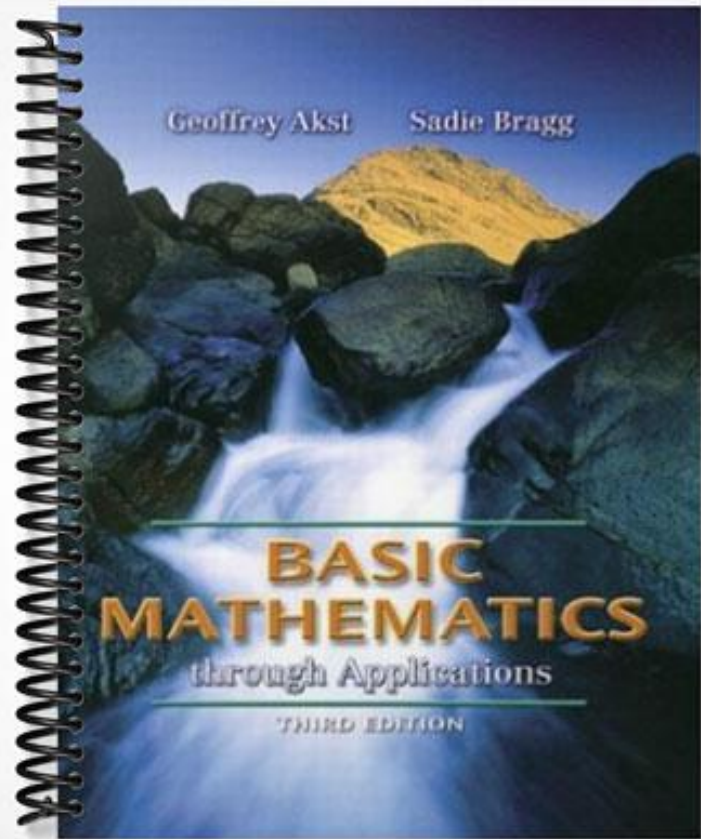


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BASIC MATHEMATICS THROUGH APPLICATIONS THIRD EDITION

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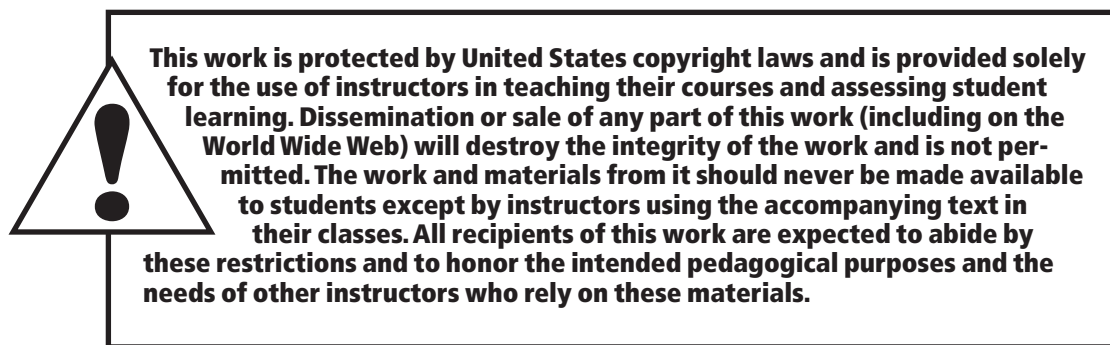
FUNDAMENTAL MATHEMATICS THROUGH APPLICATIONS THIRD EDITION

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CHAPTER 1, FORM A

BASIC MATHEMATICS

NAME _____

SECTION _____

1. Write three hundred forty-seven thousand, twenty-six in standard form. 1. _____
2. Write the digit that occupies the ten thousands place in 2,984,251. 2. _____
3. Write 3,407,082 in words. 3. _____
4. Round 745,109 to the nearest thousand. 4. _____
5. Find the sum of 279 and 3,647. 5. _____
6. Subtract 478 from 2,004. 6. _____
7. Subtract: $3,500 - 1,974$ 7. _____
8. Multiply: 805×275 8. _____
9. Find the quotient: $253 \overline{)17,204}$ 9. _____
10. Compute: $\frac{28,196}{38}$ 10. _____
11. Evaluate: 4^4 11. _____
12. Write $7 \cdot 7 \cdot 7 \cdot 9 \cdot 9 \cdot 9 \cdot 9$ using exponents. 12. _____
13. Simplify: $6 \cdot 7 + 4 \cdot 3^2$ 13. _____
14. Simplify: $72 - 4^3 \cdot (8 - 7)$ 14. _____

Solve and check.

15. The Great Smoky Mountains contain 521,621 acres of land. The Rocky Mountains cover 265,727 acres. How much larger are the Smoky Mountains than the Rocky Mountains? 15. _____

16. Seven friends decided to go on a trip together for spring break. It was going to cost \$475 per person. What was the total cost of the trip? 16. _____

17. A telemarketer tries to make 100 contacts a day. How many contacts can be made in 10 days, expressed as a power of 10? 17. _____

18. A basketball team's scores are 52, 68, 63, 59, and 73 for the last five games of the season. What is the team's average score for the five games? 18. _____

19. Milk costs \$3 a gallon and baby formula is \$10 a can. For \$60, how many more gallons of milk than cans of baby formula can you buy? 19. _____

20. You started an exercise and diet program in order to lose weight, recording your weight loss in the table below. You would like to lose a total of 35 lb. How much more weight do you need to lose to reach your goal? 20. _____

Week	Weight Loss
1	5 lb
2	3 lb
3	2 lb

CHAPTER 1, FORM B**BASIC MATHEMATICS**

NAME _____

SECTION _____

1. Write four hundred fifty-two thousand, eighteen in standard form. 1. _____
2. Write the digit that occupies the hundred thousands place in 5,689,201. 2. _____
3. Write 965,273,080 in words. 3. _____
4. Round 785,921 to the nearest thousand. 4. _____
5. Find the sum of 731 and 2,394. 5. _____
6. Subtract 158 from 3,057. 6. _____
7. Subtract: $4,000 - 1,751$ 7. _____
8. Multiply: 408×812 8. _____
9. Find the quotient: $369 \overline{) 19,188}$ 9. _____
10. Compute: $\frac{36,225}{63}$ 10. _____
11. Evaluate: 3^5 11. _____
12. Write $4 \cdot 4 \cdot 7 \cdot 7 \cdot 7 \cdot 7$ using exponents. 12. _____
13. Simplify: $6 \cdot 5 + 3 \cdot 7^2$ 13. _____
14. Simplify: $39 - 2^3 \cdot (12 - 10)$ 14. _____

4 CHAPTER 1, FORM B

Solve and check.

15. There are approximately 400 species of mammals in the United States. Scientists have identified 645 different species of birds that nest in the United States. How many more birds than mammals are in the U.S.? 15. _____
16. Susan B. Anthony was born in 1820 and died on 1906. About how old was she when she died? 16. _____
17. In a research lab a mouse has to run through a maze 10 times a day. How many times would the mouse run through the maze at the end of 100 days, expressed as a power of 10? 17. _____
18. At a certain college, a graduate student pays \$175 for each college credit hour. If a student takes 6 credit hours, how much is his cost? 18. _____
19. The table below shows how many miles Jamie jogged each day for the first week. What was the average number of miles she jogged that week? 19. _____

Day of Week	Number of miles
Monday	5 mi
Tuesday	1 mi
Wednesday	5 mi
Thursday	6 mi
Friday	8 mi
Saturday	3 mi
Sunday	0 mi

20. At a football game hot dogs sell for \$1 and pizza sells for \$2 a slice. If you had \$16, how many more hot dogs than pizza slices can you buy? 20. _____

CHAPTER 1, FORM C**BASIC MATHEMATICS**

NAME _____

SECTION _____

1. Write three million, sixty-two thousand, five hundred seventy-six in standard form. 1. _____
2. Write the digit that occupies the tens place in 7,462,151. 2. _____
3. Write 10,209,781 in words. 3. _____
4. Round 17,462,195 to the nearest million. 4. _____
5. Find the sum of 902 and 1,788. 5. _____
6. Subtract 429 from 3,050. 6. _____
7. Subtract: $3,100 - 1,798$ 7. _____
8. Multiply: 805×215 8. _____
9. Find the quotient: $684 \overline{)29,412}$ 9. _____
10. Compute: $\frac{10,875}{75}$ 10. _____
11. Evaluate: 6^4 11. _____
12. Write $3 \cdot 3 \cdot 3 \cdot 6 \cdot 6 \cdot 6 \cdot 6 \cdot 6$ using exponents. 12. _____
13. Simplify: $2 \cdot 4^3 + 7 \cdot 4$ 13. _____
14. Simplify: $185 - 3^4 \cdot (5 - 3)$ 14. _____

Solve and check.

15. Mount McKinley is the highest peak in North America with an elevation of 20,320 ft above sea level. Mount Elbert has an elevation of 14,433 ft above sea level. How much higher is Mount McKinley than Mount Elbert? 15. _____
16. David and Jane decided to take their five nephews to a hockey game. If the seats cost \$25, how much did it cost David for all of them to go to the hockey game? 16. _____
17. Floor rug A is 12 ft by 14 ft and floor rug B is 7 ft by 18 ft. Which rug covers the most area of the floor? 17. _____
18. Amelia Earhart was born in 1898. In 1932 she became the first woman to fly across the Atlantic ocean alone. About how old was she in 1932? 18. _____
19. The price of a stereo system is \$645 if you pay cash. If you buy it on installment, you pay 12 monthly payments of \$60. How much money do you save by paying cash for the stereo? 19. _____
20. The students in a high school are recycling cans. They would like to recycle 8,000 cans in a two week period. The table below shows the number of cans recycled in one week. How many more cans do they have to recycle to reach their goal? 20. _____

Day	Number of Cans
Monday	741
Tuesday	548
Wednesday	872
Thursday	706
Friday	814