LESSON 1-1 Practice B
Estimating with Whole Numbers

Estimate each sum or difference by rounding to the greatest place value.

1. 67 + 14   2. 583 – 329   3. 94 – 36

4. 2,856 + 2,207   5. 276 + 316   6. 6,020 – 3,688

7. 34,465 + 19,002   8. 78,135 – 19,431   9. 216,135 + 165,800

Estimate each product or quotient.

10. 59 ÷ 6   11. 51 × 8   12. 83 ÷ 4

13. 9 × 27   14. 49 ÷ 6   15. 53 × 8

16. 147 ÷ 5   17. 118 ÷ 6   18. 79 × 5

19. Sailfish are the fastest fish in the world. They can swim 68 miles an hour. About how far can a sailfish swim in 3 hours?

20. At a height of 3,281 feet, Angel Falls in Venezuela is the tallest waterfall in the world. Niagara Falls in the United States is only 190 feet tall. About how much taller is Angel Falls?

21. Ali, a gardener, is preparing to fertilize a lawn. The lawn is 30 yards by 25 yards. One bag of fertilizer will cover an area of 100 square yards. How many bags of fertilizer does Ali need to buy?

LESSON **Practice B**

1-2 *Exponents*

Write each expression in exponential form.

1. 9×9

2. $7 \times 7 \times 7$

3. $1 \times 1 \times 1 \times 1 \times 1$

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_____

4. $5 \times 5 \times 5 \times 5$

5. $2 \times 2 \times 2 \times 2 \times 2 \times 2$

6. $10 \times 10 \times 10 \times 10$

_____

_____

_____

Find each value.

7. 6^2

8. 5^3

9. 10^3

10. 7^2

_____

_____

_____

_____

11. 2^5

12. 3^4

13. 25^1

14. 16^0

_____

_____

_____

_____

Compare. Write $<$, $>$, or $=$.

15. 8^0 ___ 7^1

16. 10^2 ___ 11^2

17. 8^2 ___ 4^3

18. 3^4 ___ 5^2

19. 2^5 ___ 9^2

20. 6^2 ___ 3^3

21. What whole number equals 25 when it is squared and 125 when it is cubed?

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22. Use exponents to write the number 81 three different ways.

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