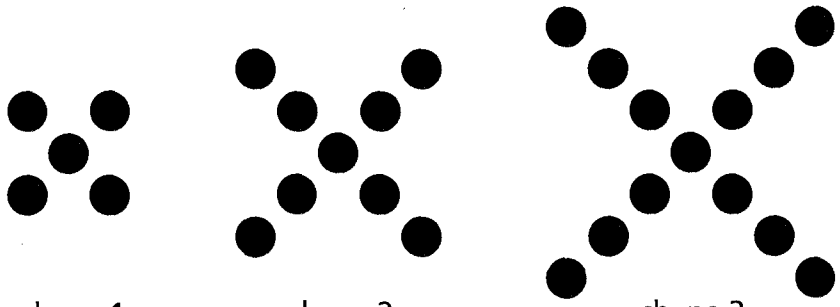
Chapters 1–3

Cumulative Review

1. Farid made a penny pattern by adding the same number of pennies each time. How many pennies would he need to make shape 8?

Penny Pattern

Shape number	Number of pennies
1	5
2	9
3	13
4	



shape 1 shape 2 shape 3

A. 29 **B.** 40 **C.** 32 **D.** 33

2. A dance club charges $20 to join. The members then pay $5 for each dance class they take. Which expression could Jill use to calculate the total cost of joining the club and taking any number of dance classes?

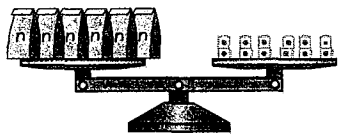
Dance Club Cost

Number of classes (c)	Total cost ($)
1	25
2	30

A. $20 + 5c$
B. $20c + 5$
C. $5c + 20c$
D. $20c - 5$

3. Which equation is equivalent to $6n = 12$?

A. $6n + 6 = 12$
B. $6 = 12n$
C. $3n = 6$
D. $2n = 6$



6n = 12

4. Which number is the standard form for 14 million 35 thousand 270?

A. 014 035 270
B. 14 035 270
C. 14 35 270
D. 14 35000 270

5. Marta multiplied 219×598 with a calculator. Which estimate would help her make sure that her answer is reasonable?

A. 300×600 **C.** 300×300

B. 200×500 **D.** 200×600

6. One year, 906 808 guests went to the Pacific National Exhibition. Which number is closest to 906 808?

A. 0.9 million **C.** 0.96 million

B. 9.0 million **D.** 9.06 thousand

7. Which number is another way to write 25 hundred-thousandths?

A. 25 000 **C.** 0.000 25

B. 25.000 **D.** 0.000 025

8. Which numbers are in order from least to greatest?

A. 0.000 45, 0.000 214, 0.000 4

B. 0.000 34, 0.000 012, 0.000 023

C. 0.001 001, 0.000 009, 0.000 999

D. 0.000 080, 0.000 119, 0.000 2

9. Which list of numbers includes all the factors of 27?

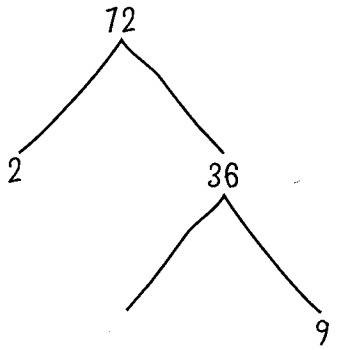
A. 1, 2, 7, 27 **C.** 1, 2, 3, 9, 27

B. 1, 3, 9, 27 **D.** 3, 9

10. What are the first five multiples of 8?

A. 16, 24, 32, 40, 48 **C.** 8, 18, 28, 38, 48

B. 8, 10, 12, 14, 16 **D.** 8, 16, 24, 32, 40



11. Which number is a prime number?

A. 31 **B.** 28 **C.** 51 **D.** 42

12. Which number is missing in the factor tree at the left?

A. 8 **B.** 4 **C.** 7 **D.** 6

13. Which statement is true?

A. $+6 < +4$ **C.** $-2 > +4$

B. $-3 < -7$ **D.** $-6 < -4$

14. Calculate $15 + 5 \times 2 - 4$.

A. 21 **B.** 36 **C.** 25 **D.** 32