

Chapter Test, Form 1A

Read each question carefully. Write the letter for your answer on the line provided.

1. What is the prime factorization of 24? 1. **A**
A. $2 \times 2 \times 2 \times 3$ **B.** $2 \times 2 \times 3$ **C.** 8×3 **D.** 6×4
2. What is the product of $10 \times 10 \times 10$, using an exponent? 2. **G**
F. 10^2 **G.** 10^3 **H.** 1,000 **I.** 10,000
3. What is the value of 100×6 ? Use mental math. 3. **C**
A. 6 **B.** 60 **C.** 600 **D.** 6,000
4. What is the value of $4 \times 2,000$? Use mental math. 4. **G**
F. 800 **G.** 8,000 **H.** 80,000 **I.** 800,000
5. Which is the best estimate of 6×22 by using rounding or compatible numbers? 5. **B**
A. 100 **B.** 120 **C.** 150 **D.** 180
6. Which is the best estimate of 23×52 by using rounding or compatible numbers? 6. **G**
F. 100 **G.** 1,000 **H.** 10,000 **I.** 100,000
7. Which is the best estimate of 104×7 by using rounding or compatible numbers? 7. **D**
A. 70 **B.** 500 **C.** 620 **D.** 700
8. What is the value of 54×3 ? 8. **I**
F. 57 **G.** 98 **H.** 150 **I.** 162
9. What is the value of 132×4 ? 9. **A**
A. 528 **B.** 400 **C.** 398 **D.** 136

Chapter Test, Form 1A (continued)

10. What is the value of 22×7 ? **10.** **G**
F. 136 **G.** 154 **H.** 168 **I.** 174
11. What is the value of 11×15 ? **11.** **A**
A. 165 **B.** 175 **C.** 185 **D.** 195
12. What is the value of 112×18 ? **12.** **H**
F. 1,162 **G.** 1,196 **H.** 2,016 **I.** 2,134
13. What is the value of 532×13 ? **13.** **D**
A. 2,128 **B.** 5,816 **C.** 6,619 **D.** 6,916
14. What is the value of 8×10^4 ? **14.** **F**
F. 80,000 **G.** 8,000 **H.** 800 **I.** 320
15. Barry has 103 model cars. Ryan has 2 times as many model cars. How many model cars does Ryan have? **15.** **C**
A. 52 **B.** 105 **C.** 206 **D.** 300
16. Carly uses 450 minutes each month on her cell phone. How many minutes will she use in 3 months? **16.** **I**
F. 900 **G.** 1,150 **H.** 1,225 **I.** 1,350
17. A hotel charges \$300 per room per week. How much did the hotel make if they rented 70 rooms for one week? **17.** **B**
A. \$210,000 **B.** \$21,000 **C.** \$2,100 **D.** \$210
18. Janie arranged chairs for a presentation. Each row contained 14 chairs and she arranged 22 rows. How many chairs were arranged? **18.** **G**
F. 322 **G.** 308 **H.** 294 **I.** 140