

1. Use digits to write the number thirty-eight billion, fifty-five million, one hundred eight thousand, seventy-three. **38 055 108 073**
2. The following number is written in standard form. Write it in expanded form. 307 891 004
 $3 \cdot 100\,000\,000 + 7 \cdot 1000\,000 + 8 \cdot 100\,000 + 9 \cdot 10\,000 + 1 \cdot 1000 + 4 \cdot 1$
3. Rounding.
 - (a) Round 218 652 to the nearest hundred. **218 700**
 - (b) Round 218 652 to the nearest ten thousand. **220 000**
4. The sides of a rectangle are 20 in 25 in long.
 - (a) Find the perimeter of the rectangle. Include units in your answer. **$P = 90$ in**
 - (b) Find the area of the rectangle. Include units in your answer. **$A = 500$ in²**
5. Find the average of 1, 3, 12, 5, 4, and 5. **5**
6. A team of 7 people worked together. On Monday, the team earned \$ 75. On Tuesday, they earned twice as much as on Monday. On Wednesday, they earned \$ 50 more than on Monday. Finally, on Thursday they earned \$ 10 less than on Tuesday. On Friday they counted the money and split it into 7 equal shares. How much money was a person's share? **\$ 70**
7. Perform the following divisions. Express your answer by giving the quotient and the remainder. For example, $17 \div 5 = 3 \text{ R } 2$.
 - (a) $178 \div 5 =$ **35 R 3**
 - (b) $29 \div 4 =$ **7 R 1**
8. Perform the following operations. Show all steps.
 - (a) $5 - 2 + 1 =$ **4**
 - (b) $3 + 4 \cdot 5 =$ **23**
 - (c) $(3 + 4) \cdot 6 =$ **42**
 - (d) $7^2 - 4^2 =$ **33**
 - (e) $(7 - 4)^2 =$ **9**
 - (f) $6^2 \div 3 - 1 =$ **11**
 - (g) $\frac{2^3 + 2 \cdot 3}{2} - 4 =$ **3**
 - (h) $3 \cdot (12 - 2 \cdot (1 + 2^2)) + 4 =$ **10**
 - (i) $12^2 - 3^3 - 2^3 - (4 - 1^3)^2 =$ **100**
 - (j) $2 + 3 \cdot (17 - (3^2 - 2 \cdot 3)^2) =$ **26**
 - (k) $(3 \cdot 4 - (5 + 2^2))^2 \div (2 + 1^{17}) =$ **3**