



NAME \_\_\_\_\_

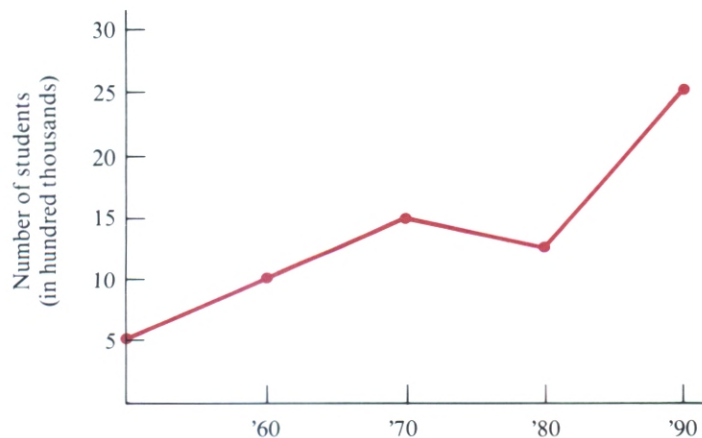
DATE \_\_\_\_\_

CLASS \_\_\_\_\_

**SAMPLE TEST**

1. **SECTION 1.9** Under the operation of addition, if  $p$  represents a number, then what number added to  $p$  gives a sum equal to  $p$ ?
2. **SECTION 1.1** Translate into mathematical symbols: The sum of four and  $x$  is divided by  $r$ .
3. **SECTION 1.6** Write as a percent: .002.
4. **SECTION 1.3** Find the difference:  $17 - 82$ .
5. **SECTION 1.2** Using  $>$ ,  $=$ , or  $<$ , compare  $-3$   $-9$ .
6. **SECTION 1.2** Locate  $-4$ ,  $+3$ ,  $-1$ , and  $5$  on a number line.
7. **SECTION 1.1** Identify the variables:  $3x^2 - 2x + 1$ .
8. **SECTION 1.3** Find the sum:  $(-8) + (12) + (-9)$ .
9. **SECTION 1.8** Which property is suggested:  

$$(r + s) + t = r + (s + t)$$
10. **SECTION 1.6** Using  $<$ ,  $=$ , or  $>$ , compare:  $-\frac{11}{7}$   $-\frac{9}{9}$ .
11. **SECTION 1.5** Write the prime factorization of 148.
12. **SECTION 1.8** What property of numbers allows us to add two numbers in any order?
13. **SECTION 1.8** What property of numbers allows us to multiply two numbers in any order?
14. **SECTION 1.4** Find the product:  $(-3)(2)(-6)$
15. **SECTION 1.4** Determine the quotient:  $\frac{-8}{-2}$ .
16. **SECTION 1.6** A recent survey was conducted that estimated the number of homeless in America to be 1.5% of the total population. If there are 280,000,000 people in America, how many are homeless?
17. **SECTION 1.10** The graph shows the number of students who studied fundamental mathematics. Which decade had the greatest increase?



**ANSWERS**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
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12. \_\_\_\_\_
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16. \_\_\_\_\_
17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

18. **SECTION 1.7**  
**(Optional)** Find the product:  $\frac{-1}{2} \cdot \frac{3}{7}$ .

19. **SECTION 1.7**  
**(Optional)** Find the quotient:  $\frac{-8}{7} \div \frac{64}{21}$ .

20. **SECTION 1.7**  
**(Optional)** Find the sum:  $\frac{11}{7} + \frac{-3}{8}$ .

21. **SECTION 1.7**  
**(Optional)** Find the difference:  $\frac{2}{3} - \frac{5}{14}$ .