

This self-test may be taken only after you have completed all of the exercises indicated on your course-content/pacing sheet.

SELF-TEST REVIEW
FOR TEST 1: WHOLE NUMBERS

092503

ADD:

- 1) $22 + 33 + 44 + 555$
- 2) $7,042 + 3,179 + 370$
- 3) $91,472 + 77,007 + 324$
- 4) $123,421,374 + 742,698,009$

SUBTRACT:

- 5) $765 - 476$
- 6) $47,973 - 36,721$
- 7) $90,007 - 398$
- 8) $400,501 - 309,789$

MULTIPLY:

- 9) $5,047 \times 7$
- 10) $3,059 \times 89$
- 11) $4,732 \times 476$
- 12) $5,970 \times 7,845$

DIVIDE:

- 13) $8 \overline{)4,671}$
- 14) $90 \overline{)72,509}$
- 15) $419 \overline{)321,106}$
- 16) $5,132 \overline{)4,801,522}$

SOLVE:

- 17) Clown College has a day enrollment of 7,342 and a night enrollment of 9,247. What is the total enrollment?

18) Paula had a balance in her checking account of \$139 at the beginning of one month. She made deposits of \$327, \$112, and \$532. What is her balance at the end of the month if she wrote checks for \$7, \$224, \$76, \$27, \$31, and \$46?

19) When Steven borrowed \$3,000 to finance his automobile, his payments were to be \$98 per month for 36 months. How much did he have to repay?

20) An automobile consumes 21 gallons of gasoline while traveling 651 miles. What is the gas mileage of the automobile?

WRITE EACH OF THE FOLLOWING AS THE PRODUCT OF PRIME FACTORS:

- 21) 18
- 22) 693
- 23) 3,780

WRITE THE VALUE OF EACH OF THE FOLLOWING:

- 24) 9^3
- 25) 3^5

ANSWERS:

- | | | |
|--|---------------------|----------------|
| 1) 654 | 2) 10,591 | 3) 168,803 |
| 4) 866,119,383 | 5) 289 | 6) 11,252 |
| 7) 89,609 | 8) 90,712 | 9) 35,329 |
| 10) 272,251 | 11) 2,252,432 | 12) 46,834,650 |
| 13) 583 R7 | 14) 805 R59 | 15) 766 R152 |
| 16) 935 R3102 | 17) 16,589 students | |
| 18) \$699 | 19) \$3,528 | 20) 31 mi/gal. |
| 21) $2 \times 3 \times 3$ (or 2×3^2) | | |
| 22) $3 \times 3 \times 7 \times 11$ (or $3^2 \times 7 \times 11$) | | |
| 23) $2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7$ (or $2^2 \times 3^3 \times 5 \times 7$) | | |
| 24) 729 | 25) 243 | |