

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

0500 - Self Test 5

SELF-TEST REVIEW
FOR TEST 5: PERCENTS

WRITE AS A DECIMAL:

- 1) 95 %
- 2) 7.8 %
- 3) .04 %

WRITE AS A PERCENT:

- 4) .47
- 5) 4.7
- 6) 47
- 7) 1.47

WRITE AS A FRACTION IN SIMPLEST FORM:

- 8) 24 %
- 9) $\frac{5}{8}$ %
- 10) $83\frac{1}{3}$ %
- 11) $6\frac{1}{4}$ %

WRITE AS A PERCENT:

- 12) $\frac{4}{5}$
- 13) $1\frac{2}{5}$
- 14) $\frac{5}{8}$ (Write a mixed number %.)
- 15) $\frac{5}{9}$ (Round to nearest whole %.)
- 16) $\frac{3}{7}$ (Round to nearest tenth %.)

FIND THE MISSING NUMBER:

- 17) 60 % of 30 is what number?
- 18) What percent of 10 is 7?
- 19) 9 % of $3\frac{1}{3}$ is what number?
- 20) 4 % of what number is 5?
- 21) .3 % of .3 is what number?

22) What is $66\frac{2}{3}$ % of 27?

23) $\frac{8}{9}$ % of 90 is what number?

24) What percent of 6 is 5?

25) 2.1 is what percent of 4?

26) $\frac{2}{3}$ is what percent of $\frac{5}{6}$?

27) What percent of 11 is 9?
(Round to the nearest whole %.)

28) $1\frac{1}{2}$ is what percent of .7?
(Round to the nearest hundredth %.)

29) 7 is $14\frac{2}{7}$ % of what number?

30) $16\frac{2}{3}$ % of what number is $\frac{5}{6}$?

31) What is the value of an item purchased, if the tax comes to \$21.60, and the tax rate is $5\frac{1}{2}$ % ?

32) If stock rises from $7\frac{1}{2}$ to 10, what is the percent of increase?

33) If your academic index one semester is 3.8, then falls to 3.4 the following semester, find the percent of decrease rounded to the nearest whole percent.

34) How much was deposited, if you received simple interest of \$75 after one year from a 5 % savings account?

35) An antique dealer buys an antique clock for \$25. She makes 125 % profit when she sells the clock. For how much did she sell the clock?

(TURN)

ANSWERS:

1) .95 2) .078 3) .0004 4) 47 %

5) 470 % 6) 4700 % 7) 147 %

8) $\frac{6}{25}$ 9) $\frac{1}{160}$ 10) $\frac{5}{6}$ 11) $\frac{1}{16}$

12) 80 % 13) 140 % 14) $62\frac{1}{2}$ %

15) 56 % 16) 42.9 % 17) 18

18) 70 % 19) $\frac{3}{10}$ 20) 125

21) .0009 22) 18 23) $\frac{4}{5}$

24) $83\frac{1}{3}$ % or $83.\bar{3}$ % 25) 52.5 %

26) 80 % 27) 82 % 28) 214.29 %

29) 49 30) 5 31) \$392.73

32) $33\frac{1}{3}$ % or $33.\bar{3}$ % 33) 11 %

34) \$1,500 35) \$56.25