

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

022103

SELF-TEST REVIEW
FOR TEST 4: PROPORTIONS AND PERCENT CONVERSIONS

DETERMINE THE VALUE OF N:

1) $\frac{6}{N} = \frac{2}{9}$

2) $\frac{7}{\frac{1}{5}} = \frac{N}{2\frac{1}{7}}$

3) $\frac{2\frac{1}{3}}{N} = \frac{2\frac{1}{2}}{15}$

4) $\frac{N}{3.4} = \frac{2.1}{3}$

5) $\frac{\frac{1}{3}}{1.3} = \frac{3}{N}$

CONVERT TO A DECIMAL:

6) 95%

7) 7.8%

8) .04%

CONVERT TO A PERCENT:

9) .47

10) 4.7

11) 47

12) 1.47

CONVERT TO A FRACTION IN SIMPLEST FORM:

13) 24%

14) $\frac{5}{8}\%$

15) $83\frac{1}{3}\%$

16) $6\frac{1}{4}\%$

CONVERT TO A PERCENT:

17) $\frac{4}{5}$

18) $\frac{3}{8}$ (Express as a mixed-number percent in simplest form.)

19) $1\frac{2}{5}$

20) $1\frac{5}{8}$ (Express as a mixed-number percent in simplest form.)

21) $\frac{5}{9}$ (Round to the nearest whole percent.)

22) $\frac{3}{7}$ (Round to the nearest tenth percent.)

23) $2\frac{5}{6}$ (Round to the nearest hundredth percent.)

24) If a pizza pie was cut into six pieces, and you ate two pieces, what percent of the pie did you eat?

25) If you received an 80% on a fifty-question test, how many questions did you answer correctly?
(HINT: Set up and solve a proportion with the unknown being the number of questions correctly answered.)

ANSWERS:

1) 27 2) 75 3) 14 4) 2.38 5) 11.7 6) .95

7) .078 8) .0004 9) 47% 10) 470% 11) 4700%

12) 147% 13) $\frac{6}{25}$ 14) $\frac{1}{160}$ 15) $\frac{5}{6}$ 16) $\frac{1}{16}$

17) 80% 18) $37\frac{1}{2}\%$ 19) 140% 20) $162\frac{1}{2}\%$

21) 56% 22) 42.9% 23) 283.33% 24) $33\frac{1}{3}\%$ 25) 40