

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 2: FRACTIONS

COMPLETE:

1) $\frac{4}{5} = \frac{\square}{35}$

15) $1\frac{3}{8} + 2\frac{5}{21} + 3\frac{1}{14}$

2) $\frac{\square}{6} = \frac{18}{54}$

CONVERT TO AN IMPROPER FRACTION:

3) $7\frac{2}{9}$

4) $1\frac{1}{3}$

REDUCE TO LOWEST TERMS:

5) $\frac{27}{36}$

6) $\frac{51}{85}$

WRITE AS THE PRODUCT OF PRIME FACTORS:

7) 96

8) 204

D E T E R M I N E T H E LEAST COMMON
DENOMINATOR:

9) $\frac{1}{14}, \frac{1}{9}, \frac{1}{21}$

10) $\frac{1}{35}, \frac{1}{40}, \frac{1}{60}$

DETERMINE WHICH FRACTION REPRESENTS THE
LARGEST NUMBER:

11) $\frac{4}{9}, \frac{9}{20}, \frac{1}{21}$

12) $\frac{5}{7}, \frac{7}{10}, \frac{18}{25}$

ADD:

13) $\frac{3}{7} + \frac{4}{5} + \frac{1}{10}$

14) $4\frac{2}{3} + 5\frac{7}{9}$

SUBTRACT:

16. $\frac{7}{9} - \frac{3}{4}$

17. $1\frac{4}{5} - \frac{7}{8}$

18. $3\frac{5}{9} - 1\frac{2}{3}$

MULTIPLY:

19) $\frac{7}{8} \times \frac{4}{9}$

20) $1\frac{2}{3} \times 1\frac{2}{5} \times 1\frac{1}{2}$

21) $2\frac{1}{4} \times 2\frac{2}{3} \times 1\frac{1}{6}$

DIVIDE:

22) $\frac{7}{8} \div \frac{1}{3}$

23) $2\frac{5}{9} \div \frac{5}{9}$

24) $4\frac{1}{3} \div 2\frac{7}{9}$

- 25) If $4\frac{1}{8}$ pounds of beans cost 51¢, what will be the cost of $5\frac{1}{2}$ pounds?

ANSWERS:

1) 28 2) 2 3) $\frac{65}{9}$ 4) $\frac{4}{3}$ 5) $\frac{3}{4}$ 6) $\frac{3}{5}$

7) $2 \times 2 \times 2 \times 2 \times 2 \times 3$ 8) $2 \times 2 \times 3 \times 17$

9) 126 10) 840 11) $\frac{9}{20}$ 12) $\frac{18}{25}$

13) $1\frac{23}{70}$ 14) $10\frac{4}{9}$ 15) $6\frac{115}{168}$ 16) $\frac{1}{36}$

17) $\frac{37}{40}$ 18) $1\frac{8}{9}$ 19) $\frac{7}{18}$ 20) $3\frac{1}{2}$

21) 7 22) $2\frac{5}{8}$ 23) $4\frac{3}{5}$ 24) $1\frac{14}{25}$ 25) 68¢