

25A

- done
- done
- $\frac{1}{2} \times \frac{1}{8} = \frac{1}{16}$
- $\frac{1}{1} \times \frac{2}{5} = \frac{2}{5}$
- $\frac{1}{1} \times \frac{1}{11} \times \frac{1}{1} = \frac{1}{11}$
- $\frac{1}{1} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
- $\frac{1}{1} \times \frac{1}{6} = \frac{1}{6}$
- $\frac{1}{1} \times \frac{2}{7} \times \frac{1}{7} = \frac{2}{7}$
- $\frac{1}{2} \times \frac{1}{5} \times \frac{1}{1} = \frac{1}{10}$
- done
- $\frac{11}{1} \times \frac{16}{7} \times \frac{8}{3} = \frac{176}{21} = 8\frac{8}{21}$
- $\frac{3}{1} \times \frac{1}{4} \times \frac{1}{1} = 3$
- $\frac{1}{6} \times \frac{1}{1} \times \frac{1}{6} = \frac{1}{6}$
- $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$
- $\frac{1}{1} \times \frac{1}{1} \times \frac{1}{4} = \frac{1}{4}$

25B

- $\frac{4}{3} \times \frac{1}{5} = \frac{4}{15}$
- $\frac{1}{3} \times \frac{1}{11} \times \frac{1}{1} = \frac{1}{33}$
- $\frac{1}{4} \times \frac{1}{5} \times \frac{3}{1} = \frac{3}{20}$
- $\frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$
- $\frac{1}{5} \times \frac{1}{1} \times \frac{1}{1} = \frac{1}{5}$
- $\frac{1}{1} \times \frac{1}{9} \times \frac{1}{2} = \frac{1}{18}$
- $\frac{1}{1} \times \frac{1}{3} = \frac{1}{3}$
- $\frac{1}{1} \times \frac{2}{5} = \frac{2}{5}$
- $\frac{1}{8} \times \frac{1}{1} \times \frac{1}{8} = \frac{1}{8}$
- $\frac{1}{3} \times \frac{1}{1} \times \frac{1}{2} = \frac{2}{3}$
- $\frac{1}{1} \times \frac{1}{1} \times \frac{1}{3} = \frac{1}{3}$
- $\frac{1}{1} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2}$
- $\frac{3}{2} \times \frac{1}{1} \times \frac{11}{2} = 16\frac{1}{2}$
- $\frac{1}{2} \times \frac{1}{1} \times \frac{1}{2} = \frac{1}{2}$
- $\frac{1}{2} \times \frac{1}{6} \times \frac{1}{1} = \frac{1}{12}$

$$1/12 \text{ of } \$144 = \$12$$

25C

- $\frac{1}{5} \times \frac{1}{2} = \frac{1}{10}$
- $\frac{1}{1} \times \frac{1}{3} \times \frac{1}{1} = \frac{1}{3}$
- $\frac{1}{4} \times \frac{1}{1} \times \frac{1}{3} = \frac{1}{12}$
- $\frac{1}{5} \times \frac{1}{2} \times \frac{1}{3} = \frac{1}{15}$
- $\frac{1}{3} \times \frac{5}{6} \times \frac{1}{1} = \frac{5}{18}$
- $\frac{7}{1} \times \frac{1}{3} \times \frac{1}{5} = \frac{7}{15}$
- $\frac{5}{2} \times \frac{1}{4} = \frac{5}{8}$
- $\frac{1}{5} \times \frac{1}{1} \times \frac{2}{5} = \frac{6}{25}$
- $\frac{1}{1} \times \frac{1}{3} \times \frac{1}{1} = \frac{1}{3}$
- $\frac{1}{1} \times \frac{1}{1} \times \frac{2}{3} = \frac{2}{3}$
- $\frac{1}{2} \times \frac{1}{1} \times \frac{1}{2} = \frac{1}{2}$
- $\frac{1}{1} \times \frac{1}{1} \times \frac{1}{1} = \frac{1}{1} = 4 = 4$
- $\frac{1}{1} \times \frac{1}{1} \times \frac{1}{1} = \frac{7}{7} = 7$
- $\frac{1}{1} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
- $\frac{1}{2} \times \frac{1}{1} \times \frac{1}{2} = \frac{1}{2}$

25D

- $\frac{1}{1} \times \frac{1}{2} \times \frac{5}{3} = \frac{5}{3} = 1\frac{2}{3}$
(When the result of reducing is a 1, it is not necessary to write it each time.)
- $\frac{1}{3} \times \frac{1}{1} \times \frac{1}{1} = \frac{1}{3}$
- $1/9 \cdot 9G = 36 \cdot 1/9$
 $G = 4$
- $9(4) = 36$
 $36 = 36$
- $1/12 \cdot 12V = 144 \cdot 1/12$
 $V = 12$
- $12(12) = 144$
 $144 = 144$
- $\frac{27}{5} \div \frac{17}{5} = \frac{27 \div 17}{1} = \frac{27}{17} = 1\frac{10}{17}$
- $\frac{82}{7} \div \frac{8}{7} = \frac{82}{8} = \frac{41}{4} = 10\frac{1}{4}$
- $5\frac{1}{4} - 2\frac{3}{4} = 4\frac{5}{4} - 2\frac{3}{4} = 2\frac{2}{4} = 2\frac{1}{2}$
- $7\frac{20}{50} - 3\frac{35}{50} = 6\frac{70}{50} - 3\frac{35}{50} = 3\frac{35}{50} = 3\frac{7}{10}$
- $9\frac{4}{12} + 6\frac{3}{12} = 15\frac{7}{12}$
- done
- done
- $3 \times 2,000 = 6,000 \text{ lbs.}$
- $\frac{5}{8} \times \frac{1}{2} \times \frac{1}{5} = \frac{1}{16}$
- $6X = 300$
 $1/6 \cdot 6X = 300 \cdot 1/6$
 $X = 50$
- $3/4 \times 2,000 = 6,000/4 = 1,500$
or $3/4$ of 2,000:
 $2,000 \div 4 = 500$; $500 \times 3 = 1,500$
- 56

25E

- 1) $\frac{1}{8} \times \frac{7}{8} \times \frac{4}{5} = \frac{1}{2}$
- 2) $\frac{17}{8} \times \frac{16}{5} \times \frac{25}{8} = \frac{85}{8} = 10 \frac{5}{8}$
- 3) $1/7 \cdot 7H = 140 \cdot 1/7$
 $H = 20$
- 4) $7(20) = 140$
 $140 = 140$
- 5) $1/16 \cdot 16W = 48 \cdot 1/16$
 $W = 3$
- 6) $16(3) = 48$
 $48 = 48$
- 7) $\frac{13}{4} \div \frac{21}{5} = \frac{13}{4} \times \frac{5}{21} = \frac{65}{84}$
- 8) $\frac{4}{11} \div \frac{2}{11} = \frac{4 \div 2}{1} = 2$
- 9) $4 \frac{2}{12} - 1 \frac{6}{12} = 3 \frac{14}{12} - 1 \frac{6}{12} = 2 \frac{8}{12} = 2 \frac{2}{3}$
- 10) $8 \frac{4}{8} - 2 \frac{6}{8} = 7 \frac{12}{8} - 2 \frac{6}{8} = 5 \frac{6}{8} = 5 \frac{3}{4}$
- 11) $7 \frac{12}{15} + 2 \frac{5}{15} = 9 \frac{17}{15} = 10 \frac{2}{15}$
- 12) $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$
- 13) $\frac{1}{10} = \frac{2}{20} = \frac{3}{30} = \frac{4}{40}$
- 14) $7 \times 2,000 = 14,000$ lbs.
- 15) $9,000 \div 2,000 = 4 \frac{1000}{2000} = 4 \frac{1}{2}$ tons
- 16) $\frac{1}{2} \times \frac{2000}{1} = \frac{2000}{2} = 1,000$ lbs.
- 17) $\frac{2}{8} \times \frac{1}{3} \times \frac{8}{5} = \frac{2}{3}$ acre
- 18) $5/2 \times 4/1 = 20/2 = 10$ qts.
- 19) $\frac{35}{4} \div \frac{5}{1} = \frac{35}{4} \times \frac{1}{5} = \frac{7}{4} = 1 \frac{3}{4}$ yd.
- 20) 33

25F

- 1) $\frac{3}{5} \times \frac{5}{4} \times \frac{1}{4} = \frac{3}{16}$
- 2) $\frac{5}{8} \times \frac{5}{6} \times \frac{8}{3} = \frac{25}{6} = 4 \frac{1}{6}$
- 3) $1/6 \cdot 6K = 54 \cdot 1/6$
 $K = 9$
- 4) $6(9) = 54$
 $54 = 54$
- 5) $1/25 \cdot 25X = 450 \cdot 1/25$
 $X = 18$
- 6) $25(18) = 450$
- 7) $\frac{16}{9} \div \frac{5}{3} = \frac{16}{9} \times \frac{3}{5} = \frac{16}{15} = 1 \frac{1}{15}$
- 8) $\frac{7}{8} \div \frac{1}{8} = \frac{7 \div 1}{1} = 7$
- 9) $10 \frac{4}{12} - 3 \frac{9}{12} = 9 \frac{16}{12} - 3 \frac{9}{12} = 6 \frac{7}{12}$
- 10) $6 \frac{10}{15} - 2 \frac{12}{15} = 5 \frac{25}{15} - 2 \frac{12}{15} = 3 \frac{13}{15}$
- 11) $9 \frac{4}{6} + 7 \frac{5}{6} = 16 \frac{9}{6} = 17 \frac{3}{6} = 17 \frac{1}{2}$
- 12) $\frac{4}{5} = \frac{8}{10} = \frac{12}{15} = \frac{16}{20}$
- 13) $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{12}{28}$
- 14) $4 \times 2,000 = 8,000$ lbs.
- 15) $7 \div 2 = 3 \frac{1}{2}$ qts.
- 16) $\frac{3}{4} \times \frac{16}{1} = \frac{12}{1} = 12$ oz.
- 17) $\frac{11}{8} \times \frac{12}{1} = \frac{66}{1} = 66$ in.
- 18) $\frac{11}{2} \div \frac{3}{1} = \frac{11}{2} \times \frac{1}{3} = \frac{11}{6} = 1 \frac{5}{6}$ yd.
- 19) $\frac{1}{3} \times \frac{1}{2} \times \frac{1}{4} = \frac{1}{24}$
- 20) 100

26A

- 1) done
- 2) done
- 3) $4B + 8 = 28$
 $\underline{-8 \quad -8}$
 $4B = 20$
 $1/4 \cdot 4B = 20 \cdot 1/4$
 $B = 5$
- 4) $4(5) + 8 = 28$
 $20 + 8 = 28$
 $28 = 28$
- 5) $2Y - 11 = 7$
 $\underline{+11 \quad +11}$
 $2Y = 18$
 $1/2 \cdot 2Y = 18 \cdot 1/2$
 $Y = 9$
- 6) $2(9) - 11 = 7$
 $18 - 11 = 7$
 $7 = 7$
- 7) $5C + 8 = 18$
 $\underline{-8 \quad -8}$
 $5C = 10$
 $1/5 \cdot 5C = 10 \cdot 1/5$
 $C = 2$
- 8) $5(2) + 8 = 18$
 $10 + 8 = 18$
 $18 = 18$
- 9) $5Z - 2 = 38$
 $\underline{+2 \quad +2}$
 $5Z = 40$
 $1/5 \cdot 5Z = 40 \cdot 1/5$
 $Z = 8$
- 10) $5(8) - 2 = 38$
 $40 - 2 = 38$
 $38 = 38$
- 11) $3D + 9 = 21$
 $\underline{-9 \quad -9}$
 $3D = 12$
 $1/3 \cdot D = 12 \cdot 1/3$
 $D = 4$
- 12) $3(4) + 9 = 21$
 $12 + 9 = 21$
 $21 = 21$
- 13) $7A - 7 = 42$
 $\underline{+7 \quad +7}$
 $7A = 49$
 $1/7 \cdot 7A = 49 \cdot 1/7$
 $A = 7$
- 14) $7(7) - 7 = 42$
 $49 - 7 = 42$
 $42 = 42$