e. $0.50

f. $\frac{1}{2}$

Problem Solving

$1\frac{1}{2}$ in.

2 in.
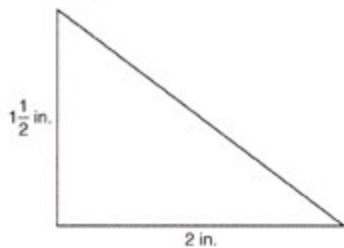
LESSON 79, LESSON PRACTICE

a. $\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$

b. $\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$

c. $\frac{1}{3} \times \frac{4}{4} = \frac{4}{12}$

d. $\frac{1}{4} \times \frac{25}{25} = \frac{25}{100}$

e. $\frac{1}{3} \times \frac{3}{3} = \frac{3}{9}$

f. $\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$

g. $\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$

h. $\frac{3}{6}; \frac{2}{6}$

$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$

i. $\frac{3}{5} \times \frac{20}{20} = \frac{60}{100}; 60\%$

LESSON 79, MIXED PRACTICE

1.
$$\begin{array}{r} 40 \text{ days} \\ 50\overline{)2000} \\ 200 \\ \hline 00 \\ 0 \\ \hline 0 \end{array}$$

2. 12 in. + 6 in. = **18 inches**

3.
$$\begin{array}{r} \overset{0}{\$1}0.\,9\,5 \\ -\quad \$6.\,3\,0 \\ \hline \$4.\,6\,5 \end{array} \qquad \begin{array}{r} \$4.65 \\ \times \quad\quad 3 \\ \hline \$13.95 \end{array}$$

4.
$$\begin{array}{r} {}^{1\,1\,1} \\ 10.15 \\ +\ 29.89 \\ \hline 40.04 \end{array}$$

Forty and four hundredths

5. $\frac{2}{3} \times \frac{3}{3} = \frac{6}{9}$

6.

1 in.; 1 square inch
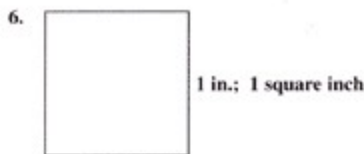
7. Factors of 9: 1, 3, 9
Factors of 12: 1, 2, 3, 4, 6, 12
Common factors: **1, 3**

8.
$$\frac{3}{4} = \frac{9}{12}$$
$$\frac{2}{3} = \frac{8}{12}$$
$$\frac{9}{12} + \frac{8}{12} = \frac{17}{12}$$
$$\frac{17}{12} = \frac{12}{12} + \frac{5}{12}$$
$$= 1 + \frac{5}{12}$$
$$= 1\frac{5}{12}$$

9.
$$\begin{array}{r} \overset{8}{\cancel{9}}.\overset{1}{1} \text{ cm} \\ -\ 4.\,2 \text{ cm} \\ \hline 4.\,9 \text{ cm} \end{array}$$

10. $1\frac{1}{5} + 2\frac{2}{5} + 3\frac{3}{5} = 6\frac{6}{5}$

$6\frac{6}{5} = 6 + \frac{5}{5} + \frac{1}{5}$

$= 6 + 1 + \frac{1}{5}$

$= 7\frac{1}{5}$

11. $5 - \left(3\frac{5}{8} - 3\right)$

$4\frac{8}{8} - \frac{5}{8} = 4\frac{3}{8}$

12. $\begin{array}{r} \$\overset{9}{\cancel{10}}.\overset{1}{0}\,0 \\ -\ \ \$0.\,1\,0 \\ \hline \$9.\,9\,0 \end{array}$

13. $\begin{array}{r} \$2.50 \\ 4\overline{)\$10.00} \\ \underline{8} \\ 2\,0 \\ \underline{2\,0} \\ 00 \\ \underline{0} \\ 0 \end{array}$

14. $\begin{array}{r} \$0.64 \\ \times\ \ \ \ 9 \\ \hline \$5.76 \end{array}$

15. $\begin{array}{r} \overset{29}{\cancel{30}}.\overset{1}{\cancel{0}}4 \\ -\ 24.\,6 \\ \hline 5.\,8 \end{array}$

$M = 5.8$

16. $\begin{array}{r} 2.4 \\ +\ 6.35 \\ \hline 8.75 \end{array}$

$W = 8.75$

17. $\begin{array}{r} 728 \\ 9\overline{)6552} \\ \underline{63} \\ 25 \\ \underline{18} \\ 72 \\ \underline{72} \\ 0 \end{array}$

$n = 728$

18. $\begin{array}{r} 6{,}265\ \text{R}\ 4 \\ 7\overline{)43{,}859} \\ \underline{42} \\ 1\,8 \\ \underline{1\,4} \\ 45 \\ \underline{42} \\ 39 \\ \underline{35} \\ 4 \end{array}$

19. $\begin{array}{r} 15 \\ \times\ 15 \\ \hline 75 \\ 150 \\ \hline 225 \end{array}$

20. $\begin{array}{r} 51\ \text{R}\ 57 \\ 80\overline{)4137} \\ \underline{400} \\ 137 \\ \underline{80} \\ 57 \end{array}$

21. $\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$

22. $\frac{3}{4} \times \frac{2}{2} = \frac{6}{8}\left(\text{or }\frac{3}{4}\right)$

23. $\frac{3}{5} \times \frac{5}{4} = \frac{15}{20}\left(\text{or }\frac{3}{4}\right)$

24. **D. 350**

25. $\begin{array}{r} 200 \\ 350 \\ +\ 400 \\ \hline 950\ \text{ice cream cones} \end{array}$

26. $\frac{5}{6}$

27. $240 + 12 = 252$

28. **C. 15 kilograms**