









**22.** a)  $\frac{7}{12}$  of a bag b)  $3\frac{1}{2}$  bags

**Chapter 7 Practice Test, pages 262–263**

**1.** A **2.** D **3.** D **4.** B

**5.** a)  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$  b)  $\frac{2}{3} + \frac{1}{8} = \frac{16}{24} + \frac{3}{24} = \frac{19}{24}$

c)  $1\frac{1}{3} + 2\frac{1}{3} = 3\frac{2}{3}$  d)  $\frac{6}{8} + 1\frac{1}{2} = \frac{6}{8} + 1\frac{4}{8} = 2\frac{1}{4}$

**6.** a)  $\frac{3}{4} - \frac{1}{4} = \frac{1}{2}$  b)  $\frac{3}{5} - \frac{1}{3} = \frac{9}{15} - \frac{5}{15} = \frac{4}{15}$

c)  $3\frac{1}{2} - 2\frac{5}{8} = 2\frac{12}{8} - 2\frac{5}{8} = \frac{7}{8}$

d)  $1\frac{3}{12} - \frac{2}{4} = \frac{15}{12} - \frac{6}{12} = \frac{3}{4}$

**7.** a)  $\frac{1}{2}$  b)  $1\frac{5}{12}$  c) 6 d)  $7\frac{2}{15}$

**8.** a)  $\frac{2}{3}$  b)  $\frac{1}{12}$  c)  $2\frac{1}{6}$  d)  $\frac{11}{12}$

**9.**  $5\frac{7}{10}$  trays

**10.** a)  $1\frac{1}{4}$  h b)  $6\frac{1}{4}$  h

**11.** a)  $1\frac{7}{12}$  h b)  $3\frac{11}{12}$  h

**12.** a)  $\frac{11}{12}$  h

b) Answers may vary.

$$2\frac{2}{3} - 1\frac{3}{4} \approx 3 - 2 = 1 \text{ h}$$

**13.** Answers may vary. For example, you need to add or subtract parts of the whole that are the same size.

**14.**  $\frac{1}{4}$  is larger because the diagram is larger.

$\frac{1}{2}$  would be larger if the diagrams were the same size.

**15.** a) Answers may vary. Rowena is correct.

She regrouped  $3\frac{1}{5}$  to  $2\frac{6}{5}$ .

b)  $3\frac{1}{5} - \frac{3}{5} = \frac{16}{5} - \frac{3}{5} = \frac{13}{5} = 2\frac{3}{5}$

**16.** a)  $\frac{1}{2}$  of the two rooms is used for Aboriginal peoples.

b)  $1\frac{1}{8}$  of the two rooms is used for settlement in Canada.

c)  $\frac{1}{8}$  more of the two rooms is used for Aboriginal peoples.

d)  $\frac{3}{4}$  more of the two rooms is used for settlement in Canada.