Chapter 7 Gifted and Enrichment Answers

1. C

2. $\frac{2}{3} + \frac{1}{2} + \frac{1}{8} + \frac{3}{4} = \frac{16}{24} + \frac{12}{24} + \frac{3}{24} +$
$\frac{18}{24} = 2\frac{1}{24}$

Yes, there is enough sugar.

$2\frac{1}{2} - 2\frac{1}{24} = 2\frac{12}{24} - 2\frac{1}{24} = \frac{11}{24}$

There is $\frac{11}{24}$ cup of extra sugar.

3. a) A = $\frac{1}{8}$, B = $\frac{1}{8}$, C = $\frac{1}{8}$, D = $\frac{1}{16}$,

E = $\frac{1}{16}$, F = $\frac{1}{8}$, G = $\frac{1}{16}$, H = $\frac{1}{16}$,

I = $\frac{1}{8}$, J = $\frac{1}{8}$

b) G + H + I + J = $\frac{1}{16} + \frac{1}{16} + \frac{1}{8} +$
$\frac{1}{8} = \frac{3}{8}$

Answers may vary. Examples: A + B + C, C + D + E + F, A + B + D + E

4. a)

Pie	Slices Left	Fraction of Pie Left
Apple	24 − 7 = 17	$\frac{17}{8} = 2\frac{1}{8}$
Cherry	8 − 5 = 3	$\frac{3}{8}$
Blueberry	16 − 9 = 7	$\frac{7}{8}$
Bumbleberry	16 − 10 = 6	$\frac{6}{8} = \frac{3}{4}$
Pumpkin	24 − 20 = 4	$\frac{4}{8} = \frac{1}{2}$
Lemon meringue	32 − 22 = 10	$\frac{10}{8} = 1\frac{2}{8}$ $= 1\frac{1}{4}$

b) $\frac{17}{8} + \frac{3}{8} + \frac{7}{8} + \frac{6}{8} + \frac{4}{8} + \frac{10}{8} = \frac{47}{8}$
$= 5\frac{7}{8}$

There would be $5\frac{7}{8}$ pies.