

5.2.1 Work space

5-41 a) They used $\frac{2}{10}$ to represent 20%.

$$20\% = \frac{20}{100} = \frac{2}{10}$$

b)

	$\frac{4}{1}$	$\frac{3}{10}$	$\frac{1}{100}$	$\frac{2}{1000}$	
$\frac{2}{10}$	$\frac{8}{10}$	$\frac{6}{100}$	$\frac{2}{1000}$	$\frac{4}{10000}$	→
	1	$\frac{8}{10}$	$\frac{6}{100}$	$\frac{2}{1000}$	$\frac{4}{10000}$

c) 20% of 4.312 = 0.8624

5-42 Possible Answers:

4.312	3	}	total decimal places in problem equals decimal places in solution.
x 0.2	1		
0.8624	4		

$$\frac{4312}{1000} \times \frac{2}{10} = \frac{8624}{10000} = 0.8624$$

} The denominators in fraction form indicate the place value.

Multiple Methods

5-43

$\frac{5}{1}$	$\frac{3}{10}$	$\frac{9}{100}$	②
x	$\frac{0}{10}$	$\frac{6}{100}$	
	$\frac{2}{10}$	$\frac{34}{100}$	

$$= \boxed{2.34}$$

$$\frac{39}{10} \times \frac{6}{10} = \frac{39}{10} \times \frac{6}{10} = \frac{234}{100}$$

$\frac{3}{1}$	$\frac{9}{10}$	
$\frac{18}{10}$	$\frac{54}{100}$	
→	$\frac{18}{10} + \frac{54}{100} = \frac{180}{100} + \frac{54}{100} = \frac{234}{100} = 2.34$	