

**BLM 4–8 Section 4.2 Extra Practice**

1. a)  $\square = 100$  b) hundredths; 19%

2. a)  $\frac{1}{4} = \frac{25}{100} = 25\%$  b)  $\frac{3}{5} = \frac{6}{10} = \frac{60}{100} = 60\%$

c)  $\frac{17}{20} = \frac{85}{100} = 85\%$

d)  $\frac{93}{200} = 93 \div 200 = 0.465 = 46.5\%$

3. a)  $80\% = \frac{80}{100} = \frac{4}{5}$  b)  $250\% = \frac{250}{100} = \frac{5}{2}$

c)  $12.5\% = \frac{12.5}{100} = \frac{125}{1000} = \frac{1}{8}$

d)  $0.66\% = 0.0066 = \frac{66}{10000} = \frac{33}{5000}$

4. a) 157.5%; 1.575 b) 8.2%;  $\frac{82}{1000} = \frac{41}{500}$

c)  $16\frac{1}{3}\%$ ;  $0.16\bar{3}$  d)  $\frac{78}{10000} = \frac{39}{5000}$ ; 0.0078

e) 336%;  $\frac{336}{100} = \frac{84}{25}$

5. a)  $\frac{10}{8} = 1.25 = 125\%$

b) Area of original picture is  $40 \text{ cm}^2$ ; area of enlargement is  $70 \text{ cm}^2$ .  
The area of the picture increased by 57.14%.