

# Sixth Grade: Activity 21 Practice

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## Lesson 20-1

- 75%
- a. 25%  
b.  $33\frac{1}{3}\%$
- It is a good deal because 88.48 out of 110.60 is 80%, so the MP3 is on sale for 20% off.
- about 15.6%;  $750 - 649 = 101$ ,  
 $\frac{101}{649} \approx 0.156$
- C
- C

## Lesson 20-2

- $\$118.40$ ;  $\frac{85}{100} = \frac{x}{64}$ ,  $x = 54.4$ ,  
 $54.4 + 64 = 118.4$
- D
- $\$125.97$ ;  $\frac{106.75}{100} = \frac{x}{118}$ ,  
 $100x = 12,596.5$ ,  $x = 125.97$
- B and C
- C
- C
- 13.

	10%	25%	$33\frac{1}{3}\%$
\$120	\$12	\$30	\$40
\$240	\$24	\$60	\$80
\$360	\$36	\$90	\$120

The values in each percent column have the same ratio as the given dollar values. --

## Lesson 20-3

- $\$1,250$ ;  $\frac{4}{100} = \frac{50}{x}$ ,  $4x = 5,000$ ,  
 $x = 1,250$
- C
- $33\frac{1}{3}\% \times w = 6$ , where  $w$  is the total number of teens clubs in the area
- Solve the proportion.  
 $\frac{112}{100} = \frac{500,000}{x}$ ; there were about 446,430 websites the previous year
- about 60,109,000 people
- C
- $\$88.00$  to  $\$220.00$ ;  $10\% = 0.1$ ,  
 $0.1x = 22$ ,  $x = 220$ ;  $25\% = 0.25$ ,  
 $0.25x = 22$ ,  $x = 88$ .