

# Calculating Percents

Solve these problems, using either fractions or decimals.

1. 50% of 120

$33\frac{1}{3}\%$  of 90

75% of 200

15% of 65

2. 100% of 37

$83\frac{1}{3}\%$  of 180

30% of 1,000

$37\frac{1}{2}\%$  of 40

3. 1% of 250

$66\frac{2}{3}\%$  of 45

46% of 300

40% of 100

Solve these problems, using either fractions or decimals.

4. 16 is what percent of 48?

40 is what percent of 200?

10 is what percent of 12?

5. 60 is what percent of 80?

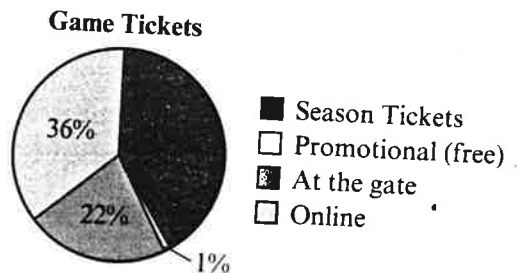
25 is what percent of 50?

10 is what percent of 25?

6. 90 is what percent of 100?

4 is what percent of 32?

18 is what percent of 27?



7. Last night 65,800 people attended a professional football game. The circle graph shows how people bought their tickets to the game. How many people got their tickets by each of these means?

Online

Season tickets

Free tickets

At the gate

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Calculating Percents

Solve these problems, using either fractions or decimals.

1. 50% of 120  
 $.5 \times 120 = 60$

$33\frac{1}{3}\%$  of 90  
 $\frac{1}{3} \times 90 = 30$

75% of 200  
 $.75 \times 200 = 150$

15% of 65  
 $.15 \times 65 = 9.75$

2. 100% of 37  
 $1.00 \times 37 = 37$

$83\frac{1}{3}\%$  of 180  
 $.833 \times 180 = 150$

30% of 1,000  
 $.30 \times 1,000 = 300$

$37\frac{1}{2}\%$  of 40  
 $.375 \times 40 = 15$

3. 1% of 250  
 $.01 \times 250 = 2.5$

$66\frac{2}{3}\%$  of 45  
 $\frac{2}{3} \times 45 = 30$

46% of 300  
 $.46 \times 300 = 138$

40% of 100  
 $.40 \times 100 = 40$

Solve these problems, using either fractions or decimals.

4. 16 is what percent of 48?  
 $\frac{16}{48} = \frac{1}{3} = 33\frac{1}{3}\%$

40 is what percent of 200?  
 $\frac{40}{200} = \frac{20}{100} = 20\%$

10 is what percent of 12?  
 $10 \div 12 = .833$   
 $83.3\%$

5. 60 is what percent of 80?  
 $60 \div 80 = .75$   
 $75\%$

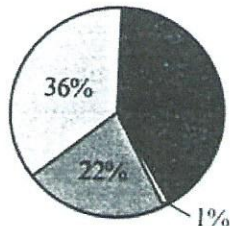
25 is what percent of 50?  
 $\frac{25}{50} = \frac{50}{100} = 50\%$

10 is what percent of 25?  
 $\frac{10}{25} = \frac{40}{100} = 40\%$

6. 90 is what percent of 100?  
 $\frac{90}{100} = 90\%$

4 is what percent of 32?  
 $\frac{4}{32} = \frac{1}{8}$   
 $1 \div 8 = .125$   
 $12.5\%$

18 is what percent of 27?  
 $\frac{18}{27} = \frac{2}{3}$   
 $2 \div 3 = .6667$   
 $66.67\%$



- Season Tickets 41%
- Promotional (free) 1%
- ▨ At the gate 22%
- Online 36%

7. Last night 65,800 people attended a professional football game. The circle graph shows how people bought their tickets to the game. How many people got their tickets by each of these means?

Online  
 $.36 \times 65,800$   
 $23,688$

Season tickets  
 $.41 \times 65,800$   
 $26,978$

Free tickets  
 $.01 \times 65,800$   
 $658$

At the gate  
 $.22 \times 65,800$   
 $14,476$