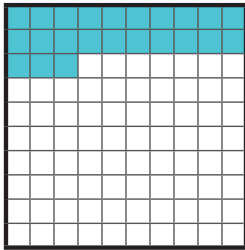


# Introduction to Percents

Percent means parts out of 100. To write a percent, use the % sign. Percents are related to fractions and decimals. They each represent the relationship between a part and a whole.

In the model below, 23 parts out of 100 are shaded.



You can represent this as a...

Percent:

23%

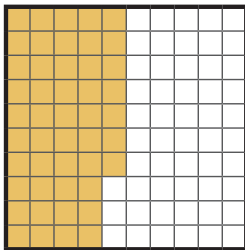
Fraction:

$\frac{23}{100}$

Decimal:

0.23

For each model, express the shaded area as a percent. Then write the equivalent fraction and decimal.



Percent:

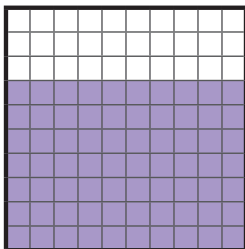
47%

Fraction:

$\frac{47}{100}$

Decimal:

0.47



Percent:

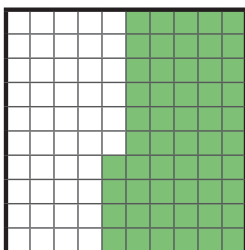
70%

Fraction:

$\frac{70}{100}$  or  $\frac{7}{10}$

Decimal:

0.70 or 0.7



Percent:

54%

Fraction:

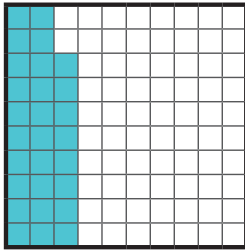
$\frac{54}{100}$  or  $\frac{27}{50}$

Decimal:

0.54

# Introduction to Percents

Keep going! Remember, each large square is equal to one whole.



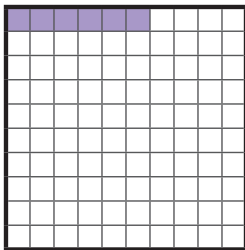
Percent:

28%

Fraction:

 $\frac{28}{100}$  or  $\frac{7}{25}$ 

Decimal:

0.28

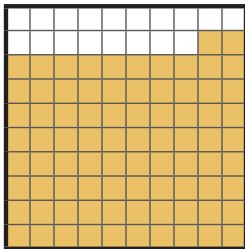
Percent:

6%

Fraction:

 $\frac{6}{100}$  or  $\frac{3}{50}$ 

Decimal:

0.06

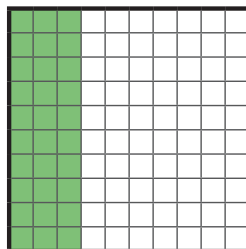
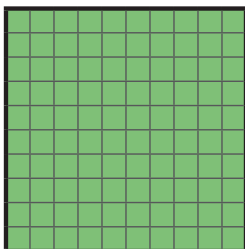
Percent:

82%

Fraction:

 $\frac{82}{100}$  or  $\frac{41}{50}$ 

Decimal:

0.82

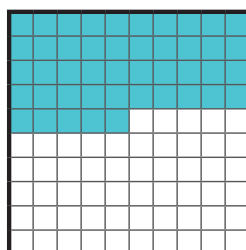
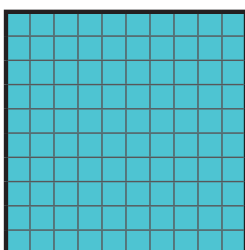
Percent:

130%

Fraction:

 $1\frac{30}{100}$  or  $1\frac{3}{10}$ 

Decimal:

1.30 or 1.3

Percent:

145%

Fraction:

 $1\frac{45}{100}$  or  $1\frac{9}{20}$ 

Decimal:

1.45