

# Fractions: Hundredths



# Aim

- To recognise and use hundredths.

# Success Criteria

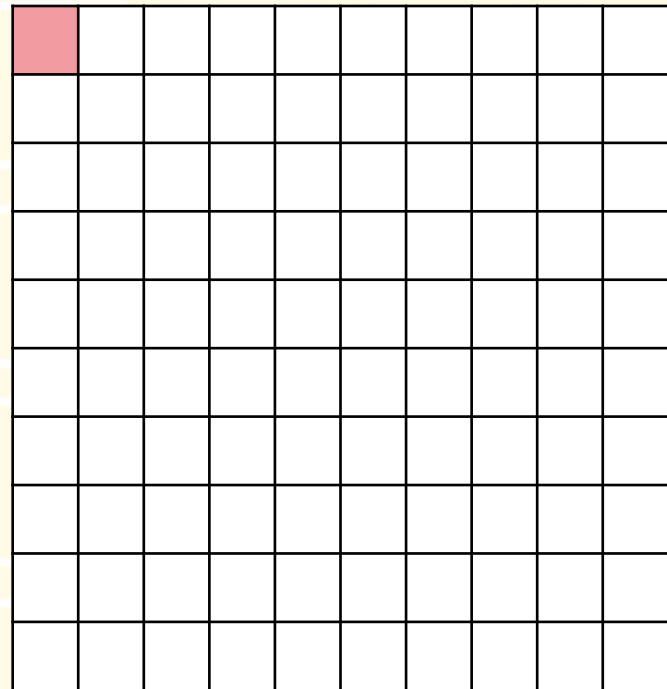
- To count up and down in hundredths.
- To recognise that hundredths arise when dividing an object by one hundred.
- To recognise that hundredths arise when dividing tenths by ten.

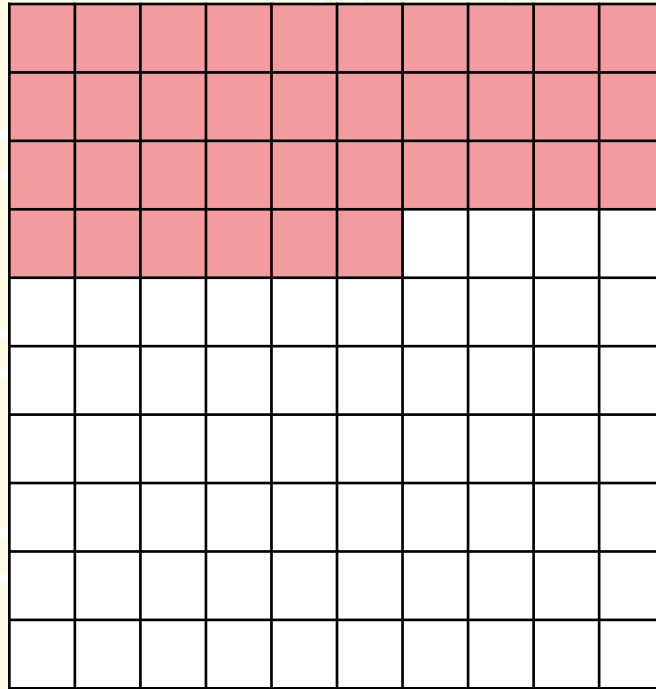
Hundredths arise where a number of objects or an object is divided into one hundred equal parts:

This grid has one hundred equal parts.

One hundredth is shaded.

$\frac{1}{100}$  is shaded.



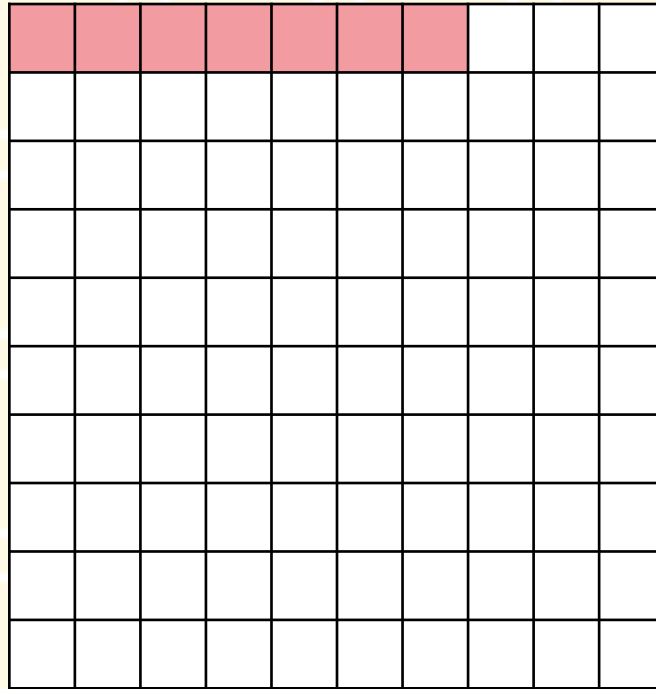


How many hundredths are shaded?

$$\frac{36}{100}$$

How many hundredths are not shaded?

$$\frac{64}{100}$$

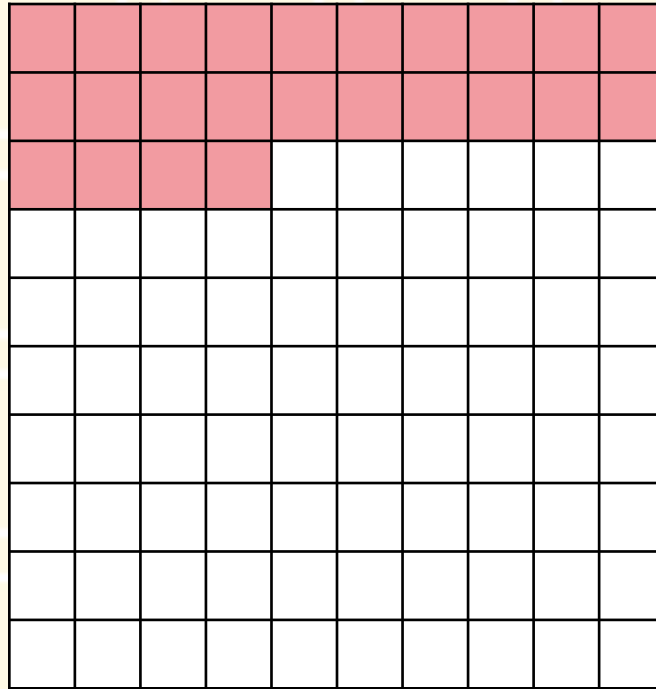


How many hundredths are shaded?

$$\frac{7}{100}$$

How many hundredths are not shaded?

$$\frac{93}{100}$$

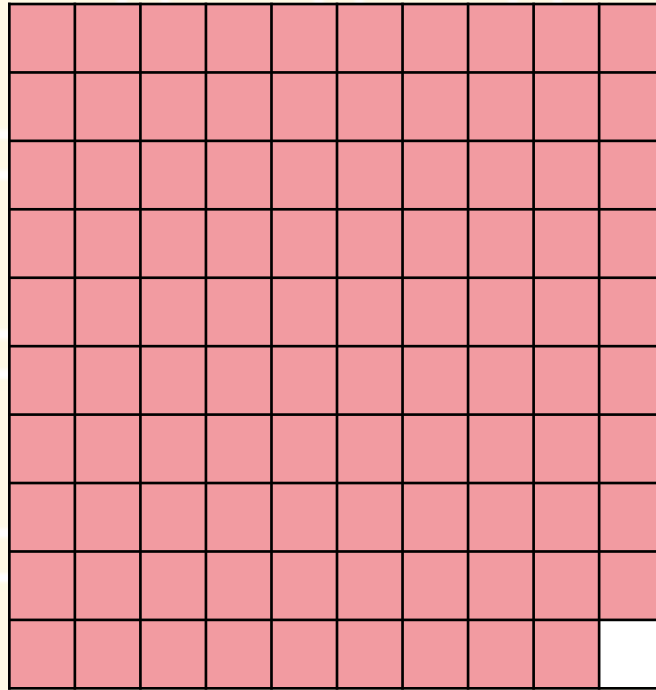


How many hundredths are shaded?

$$\frac{24}{100}$$

How many hundredths are not shaded?

$$\frac{76}{100}$$

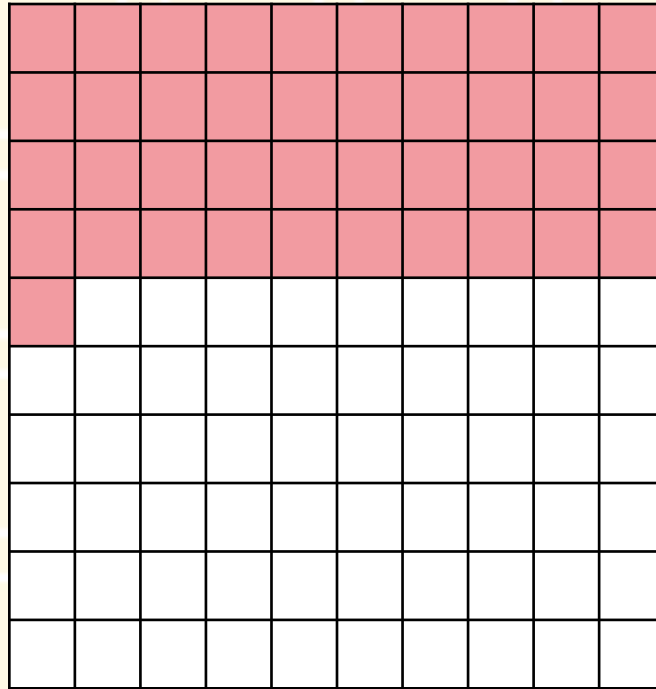


How many hundredths are shaded?

$$\frac{99}{100}$$

How many hundredths are not shaded?

$$\frac{1}{100}$$



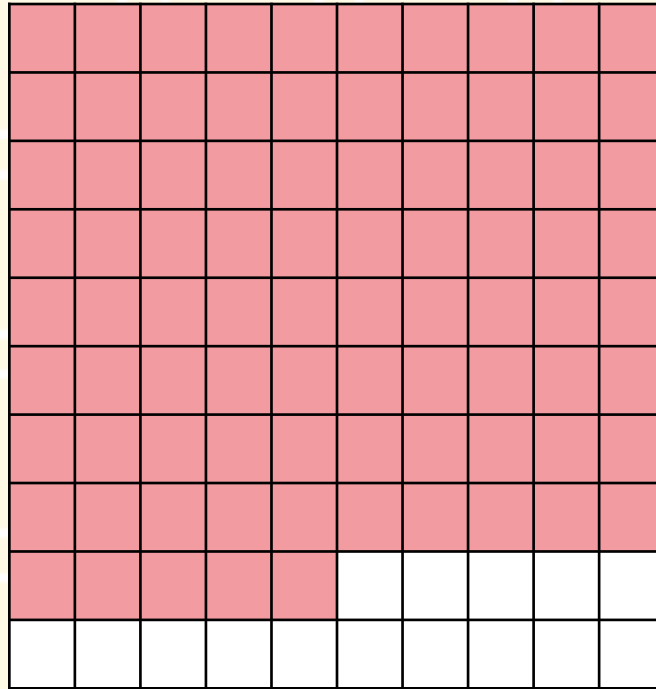
How many hundredths are shaded?

$$\frac{41}{100}$$

How many hundredths are not shaded?

$$\frac{59}{100}$$



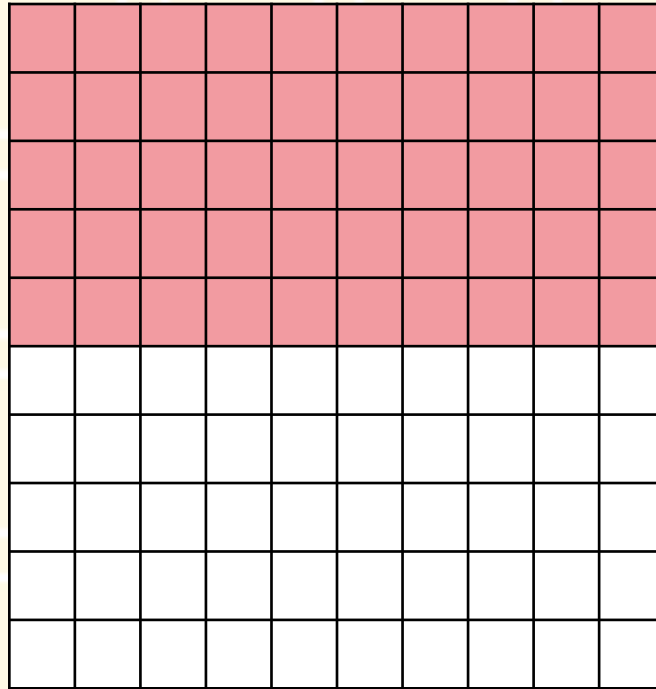


How many hundredths are shaded?

$$\frac{85}{100}$$

How many hundredths are not shaded?

$$\frac{15}{100}$$

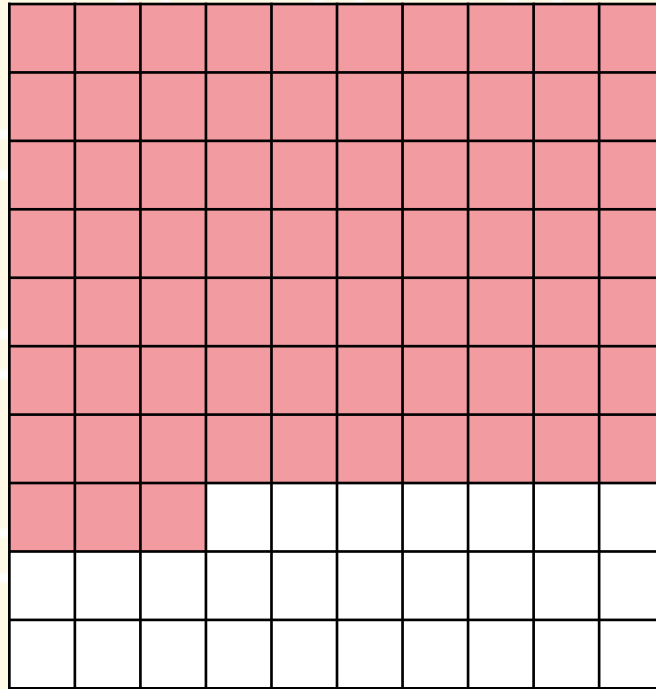


How many hundredths are shaded?

$$\frac{50}{100}$$

How many hundredths are not shaded?

$$\frac{50}{100}$$

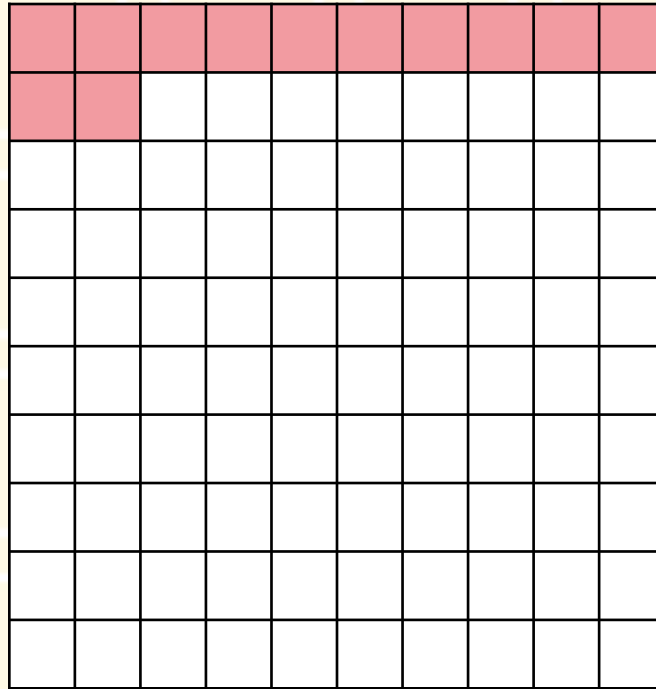


How many hundredths are shaded?

$$\frac{73}{100}$$

How many hundredths are not shaded?

$$\frac{27}{100}$$

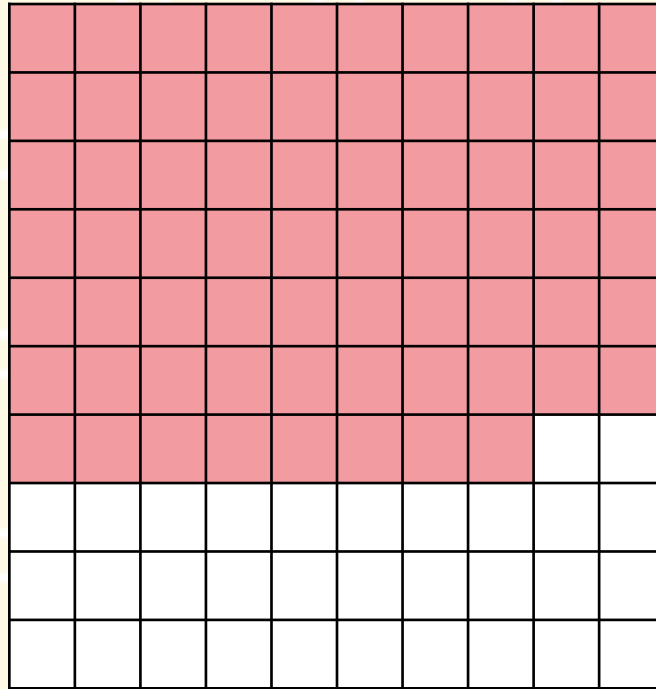


How many hundredths are shaded?

$$\frac{12}{100}$$

How many hundredths are not shaded?

$$\frac{88}{100}$$



How many hundredths are shaded?

$$\frac{68}{100}$$

How many hundredths are not shaded?

$$\frac{32}{100}$$

A number can be divided into hundredths by dividing by 100:

This grid has the number 150 divided into hundredths.

One hundredth is shaded

$$\frac{1}{100} \text{ of } 150 = 1.5$$

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Two hundredths are shaded.

$$\frac{2}{100} \text{ of } 150 = 3$$

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Five hundredths are shaded.

$$\frac{5}{100} \text{ of } 150 = 7.5$$



1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Ten hundredths are shaded.

$$\frac{10}{100} \text{ of } 150 = 15$$

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Twenty-five hundredths are shaded.

$$\frac{25}{100} \text{ of } 150 = 37.5$$

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Sixty-five hundredths are shaded.

$$\frac{65}{100} \text{ of } 150 = 97.5$$

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Ninety-nine hundredths are shaded.

$$\frac{99}{100} \text{ of } 150 = 148.5$$

This can be repeated for any number.

This grid has the number 67 divided into hundredths.

One hundredth is shaded

$$\frac{1}{100} \text{ of } 67 = 0.67$$

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

Two hundredths are shaded.

$$\frac{2}{100} \text{ of } 67 = 1.34$$

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

Ten hundredths are shaded.

$$\frac{10}{100} \text{ of } 67 = 6.7$$

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

Fifty-six hundredths are shaded.

$$\frac{56}{100} \text{ of } 67 = 37.52$$



