

Today, you will revise decimal numbers

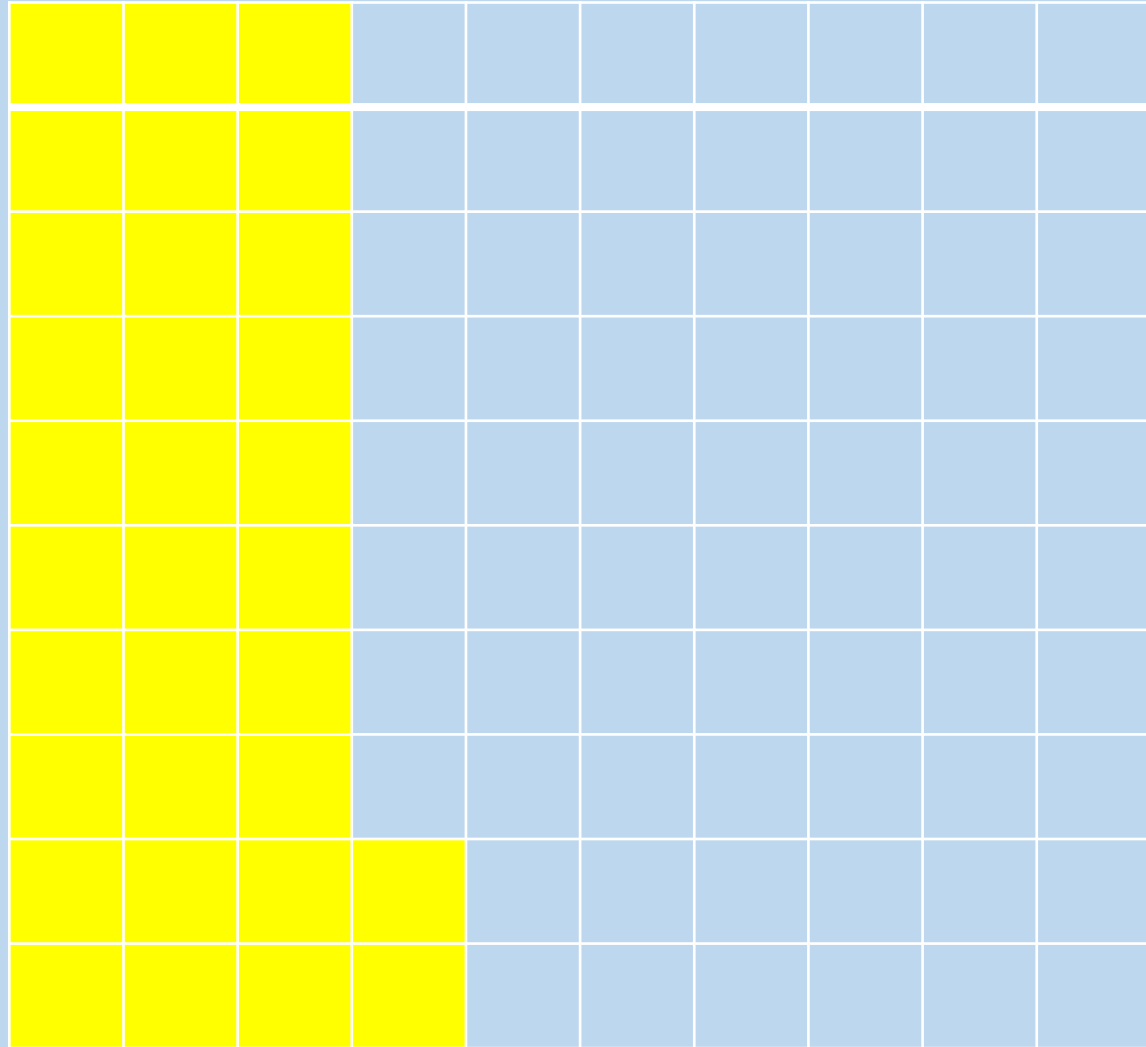
You will think about the value of each part of a decimal number and write decimals as fractions.

This chart shows the different values of the different parts of a decimal number..

tens	ones	tenths	hundredths	thousandths
		●		

Decimal point separates the whole numbers from the decimal numbers

Tenths and hundredths can be represented like this...



There are 100 squares.
Each square is a one hundredth.
Each column is one tenth.

This picture shows...

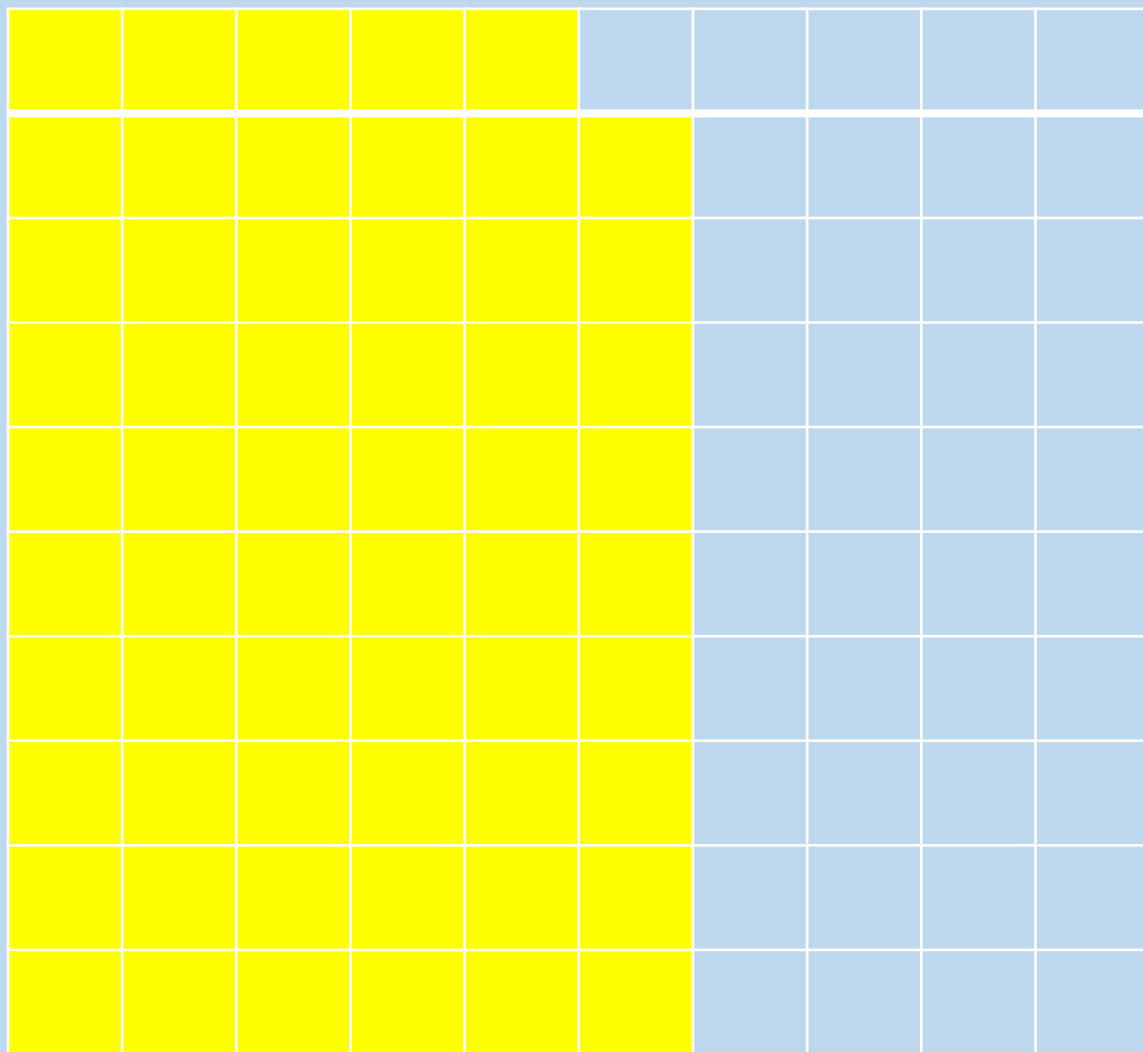
32 hundredths

Or

3 tenths and 2 hundredths

Or

0.32



There are 100 squares.
Each square is a one hundredth.
Each column is one tenth.

This picture shows...

59 hundredths

Or

5 tenths and 9 hundredths

Or

0.59


Try writing these fractions as decimals...

- 2 whole ones and 64 hundredths
- 4 whole ones and 71 hundredths
- 1 whole one and 42 hundredths
- 3 whole ones and 185 thousandths.

Answers

- 2 whole ones and 64 hundredths = 2.64
- 4 whole ones and 71 hundredths = 4.71
- 1 whole one and 42 hundredths = 1.42
- 3 whole ones and 185 thousandths = 3.185

Number of thousandths



Changing decimals to fractions...

3.5 will be 3 whole ones and 5 tenths

8.005 will be 8 whole ones and 5 thousandths

Try changing these to fractions...

5.1

4.67

0.361

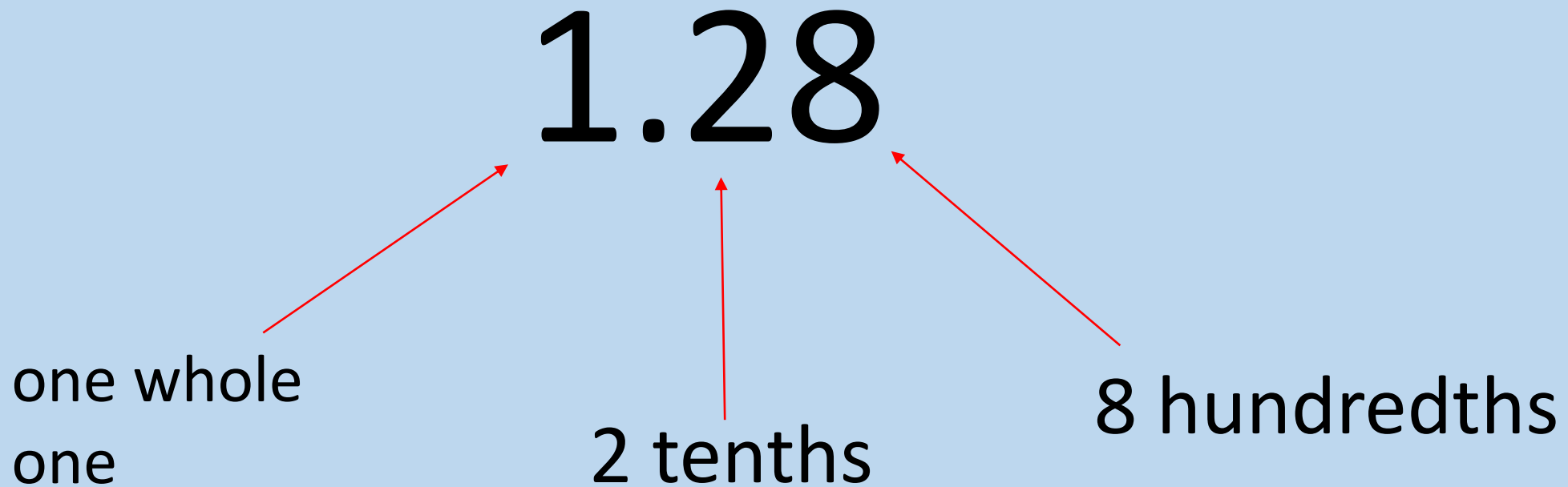
Answers

5.1 = 5 whole ones and 1 tenth

4.67 = 4 whole ones and 67 hundredths
(or 6 tenths and 7 hundredths)

0.361 = 361 thousandths (or 3 tenths, 6
hundredths and 1 thousandth)

I can partition decimals like this...



Try partitioning these decimals in the same way...

4.138

0.069

4.518

Answers

4.138

4 whole ones

1 tenth

3 hundredths

8 thousandths

0.069

0 whole ones

0 tenths

6 hundredths

9 thousandths

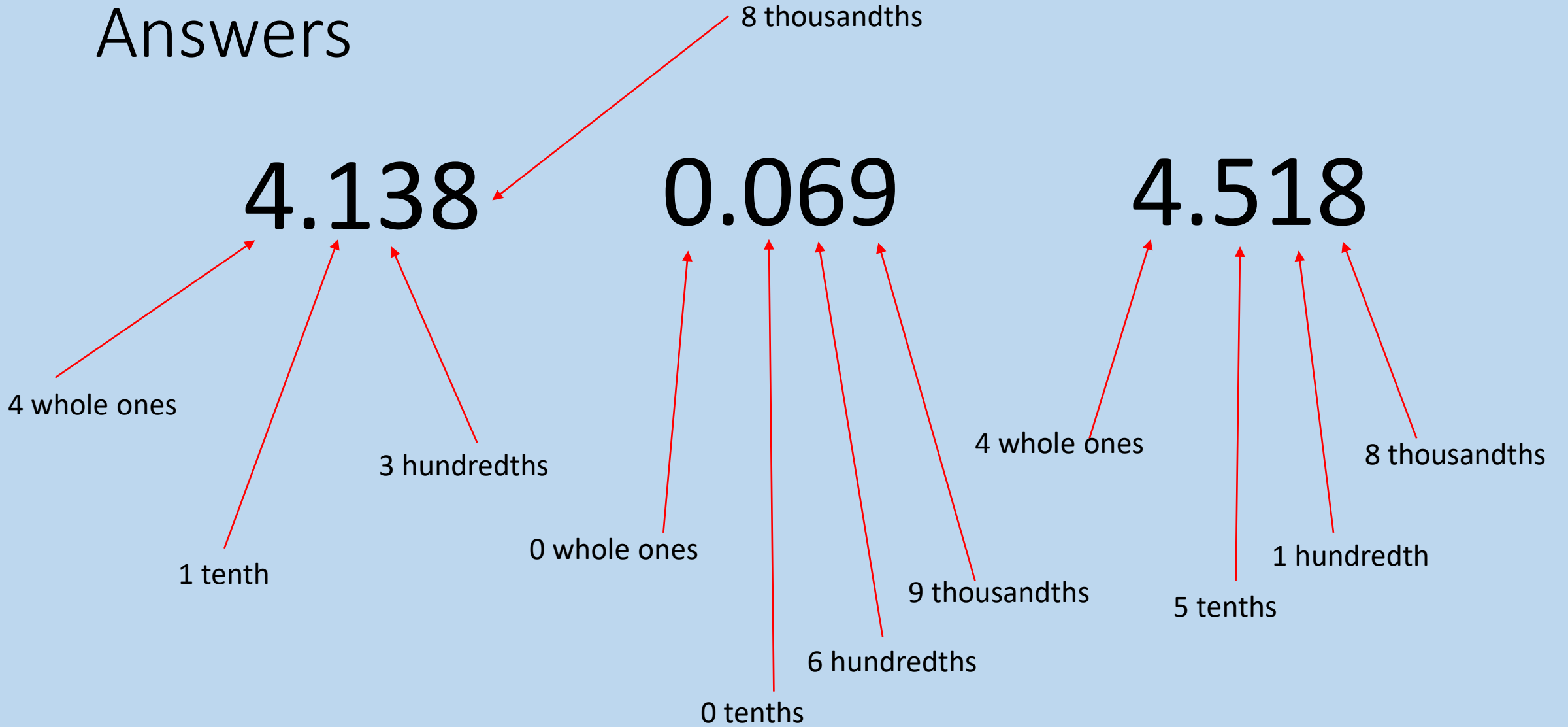
4.518

4 whole ones

5 tenths

1 hundredth

8 thousandths



What is the value of the underlined digit?

8.86

5.928

7.056

Answers...

8.86 = 6 hundredths

5.928 = 9 tenths

7.056 = 6 thousandths

Now, try some independent practice.

Good luck!