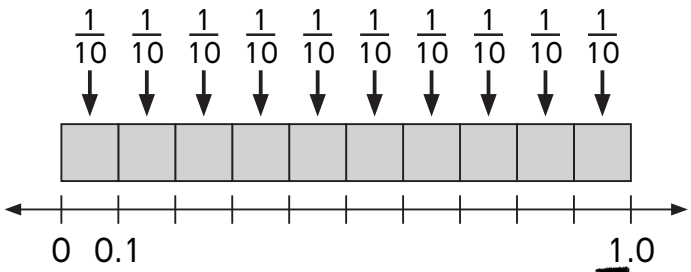
Name: _____ Date: _____

CHAPTER 7 Decimals

Worksheet 1 Understanding Tenths

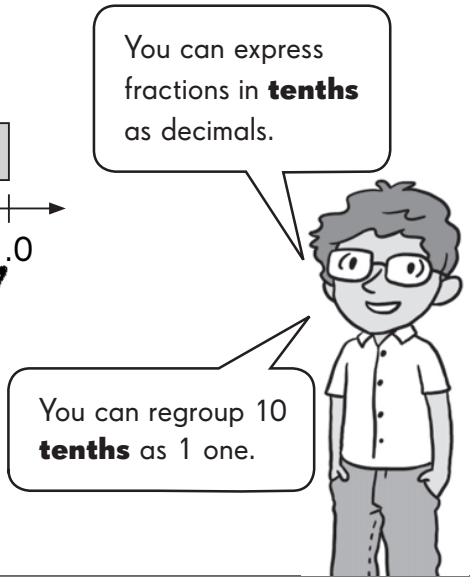
Example



$\frac{10}{10}$ is equal to 1.

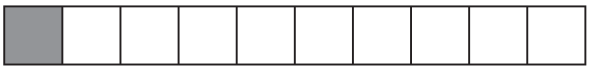
10 tenths = 1one

decimal point



Count the shaded parts.
Fill in the blanks.

Example



One part is shaded.

As a fraction, we say *1* out of *10* parts is shaded.

We write it as $\frac{1}{10}$.

Name: _____ **Date:** _____

1.

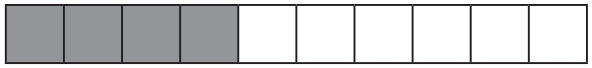
_____ parts are shaded.

As a fraction, we say _____ out of _____ parts are shaded.

We write it as _____.

Fill in the blanks.

Example



The shaded parts show $\frac{4}{10}$.

We write it as 0.4

We read it as four tenths.

2.

The shaded parts show _____.

We write it as _____.

We read it as _____.

3.

The shaded parts show _____.

We write it as _____.

We read it as _____.

Name: _____ **Date:** _____

4.

The shaded parts show _____.

We write it as _____.

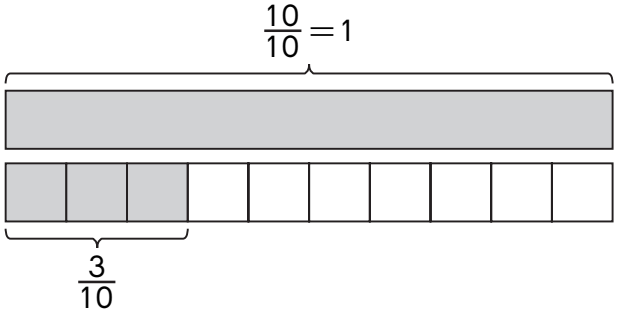
We read it as _____.

Write each mixed number as a decimal.
Complete the following.

Example

$1\frac{3}{10}$ = 1 one + 3 tenths

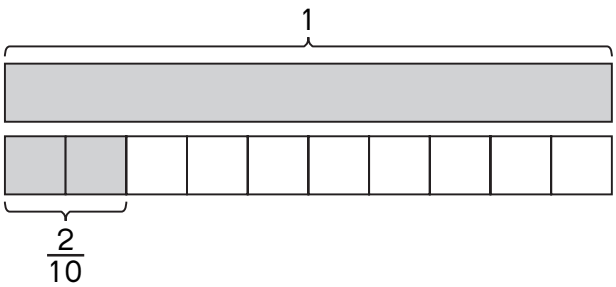
= 1.3



Ones	Tenths
●	● ● ●
1	3

5. $1\frac{2}{10}$ = _____ one + _____ tenths

= _____



Ones	Tenths
●	● ●
1	2

Name: _____ **Date:** _____

Fill in the blanks.

Example

$1\frac{3}{10}$ = 1 one + 3 tenths

= 1.3

6. $2\frac{3}{10}$ = _____ ones + _____ tenths

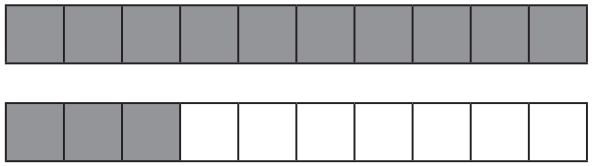
= _____

7. $1\frac{1}{10}$ = _____ one + _____ tenth

= _____

Write each improper fraction as a decimal.
Fill in the blanks.

Example



$\frac{10}{10} + \frac{3}{10} = \frac{13}{10}$

= 13 tenths

Ones	Tenths
	○○○○○ ○○○○○ ○○○
	13

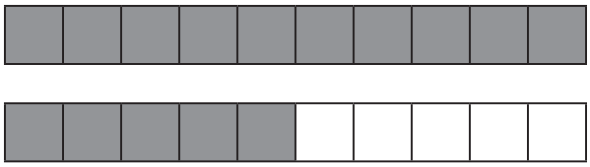
13 tenths = 1 one + 3 tenths

= 1.3

Ones	Tenths
○	○○○
1	3

Name: _____ Date: _____

8.



Ones	Tenths
	15

_____ + _____ = _____

= _____

Ones	Tenths
1	5

_____ = _____ one + _____ tenths

= _____

Complete.

Example

$\frac{14}{10}$ = $\frac{10}{10}$ + $\frac{4}{10}$

= 1 one + 4 tenths

= 1.4

9. $\frac{12}{10}$ = _____ + _____

= _____ one + _____ tenths

= _____

10. $\frac{26}{10}$ = _____ + _____

= _____ ones + _____ tenths

= _____

Name: _____ **Date:** _____

Write the place value.

Example

0.5 = 5 tenths

= $\frac{5}{10}$

The digit 5 is in the tenths place.

The value of the digit is 0.5 or $\frac{5}{10}$.

Ones	Tenths
	○○○○○
0	5

11. 0.9 = _____ tenths

= _____

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

Ones	Tenths
	○○○○○○○○○
0	9

12. 0.7 = _____ tenths

= _____

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

Ones	Tenths
	○○○○○○○
0	7

Name: _____ **Date:** _____

Write the place values.

Example

3.5 = 3 ones 5 tenths

= 3 + $\frac{5}{10}$

Ones	Tenths
● ● ●	● ● ● ● ●
3	5

The digit 5 is in the tenths place.

The value of the digit is 0.5 or $\frac{5}{10}$.

The digit 3 is in the ones place.

The value of the digit is 3.

13. 2.9 = _____ ones _____ tenths

= _____ + _____

Ones	Tenths
● ●	● ● ● ● ● ● ● ● ●
2	9

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

The digit _____ is in the ones place.

The value of the digit is _____.

Name: _____ **Date:** _____

Write the place values.

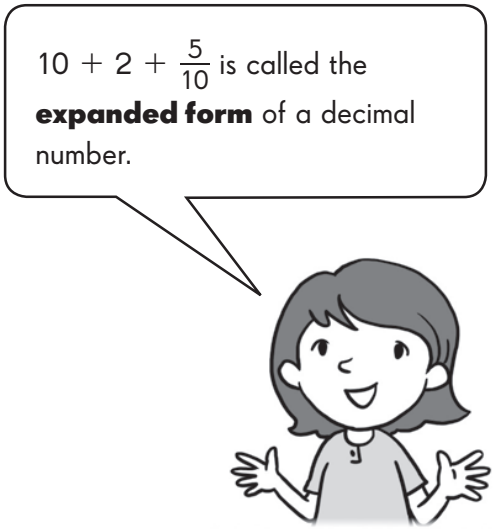
Example

12.5

= 1 ten 2 ones 5 tenths.

= 10 + 2 + $\frac{5}{10}$

Tens	Ones	Tenths
●	● ●	● ● ● ● ●
1	2	5



The digit 5 is in the tenths place.

The value of the digit is 0.5 or $\frac{5}{10}$

The digit 2 is in the ones place.

The value of the digit is 2.

The digit 1 is in the tens place.

The value of the digit is 10.

Name: _____ **Date:** _____

14. 35.9

= _____ tens _____ ones _____ tenths.

= _____ + _____ + _____

Tens	Ones	Tenths
○ ○ ○	○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○
3	5	9

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

The digit _____ is in the ones place.

The value of the digit is _____.

The digit _____ is in the tens place.

The value of the digit is _____.

Name: _____ **Date:** _____

Fill in the blanks.

15. 63.2 = _____ tens _____ ones _____ tenths

= _____ + _____ + _____

The digit _____ is in the tenths place.

The digit 3 stands for _____ ones.

The value of the digit 6 is _____.

16. 19.4 = _____ ten _____ ones _____ tenths

= _____ + _____ + _____

The digit _____ is in the tenths place.

The digit 9 stands for _____ ones.

The value of the digit 1 is _____.

17. 52.7 = _____ tens _____ ones _____ tenths

= _____ + _____ + _____

The digit _____ is in the tenths place.

The digit 2 stands for _____ ones.

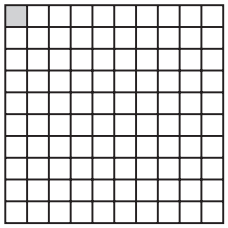
The value of the digit 5 is _____.

Name: _____ Date: _____

Worksheet 2 Understanding Hundredths

Count the shaded parts.

Example

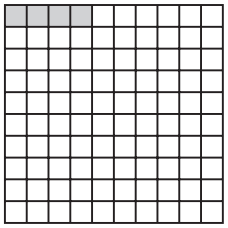


One part is shaded.

As a fraction, we say 1 out of 100 parts is shaded.

We write it as $\frac{1}{100}$.

1.

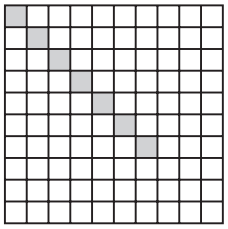


_____ parts are shaded.

As a fraction, we say _____ out of _____ parts are shaded.

We write it as _____.

2.



_____ parts are shaded.

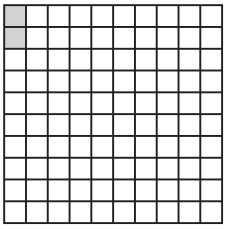
As a fraction, we say _____ out of _____ parts are shaded.

We write it as _____.

Name: _____ **Date:** _____

Fill in the blanks.

Example

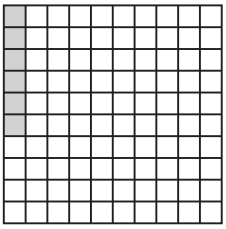


The shaded parts show $\frac{2}{100}$.

We write it as 0.02.

We read it as 2 hundredths.

3.

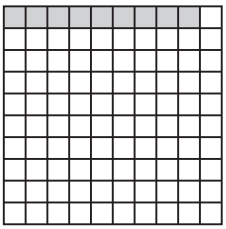


The shaded parts show _____.

We write it as _____.

We read it as _____.

4.



The shaded parts show _____.

We write it as _____.

We read it as _____.

Name: _____ Date: _____

Write each of these as a decimal.

Example

5 hundredths = 0.05

Ones	Tenths	Hundredths
		○ ○ ○ ○ ○
0	0	5

5. 2 hundredths = _____

Ones	Tenths	Hundredths
		○ ○

6. 8 hundredths = _____

Ones	Tenths	Hundredths
		○ ○ ○ ○ ○ ○ ○ ○

Name: _____ **Date:** _____

Write each of these as a decimal.

Example

3 tenths 5 hundredths = 0.35

Ones	Tenths	Hundredths
	○ ○ ○	○ ○ ○ ○ ○
0	3	5

7. 6 tenths 2 hundredths = _____

Ones	Tenths	Hundredths
	○ ○ ○ ○ ○ ○	○ ○

8. 5 tenths 8 hundredths = _____

Ones	Tenths	Hundredths
	○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○

Name: _____ Date: _____

Write each of these as a decimal.

Example

1 one and 3 tenths 5 hundredths = 1.35

Ones	Tenths	Hundredths
●	● ● ●	● ● ● ● ●
1	3	5

9. 2 ones and 3 tenths 8 hundredths = _____

Ones	Tenths	Hundredths
● ●	● ● ●	● ● ● ● ● ● ● ●

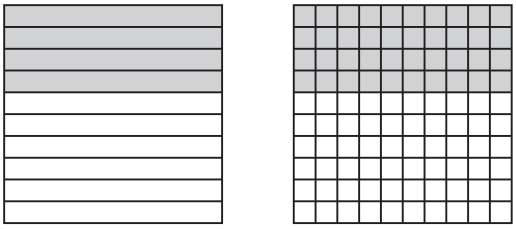
10. 3 ones and 1 tenth 5 hundredths = _____

Ones	Tenths	Hundredths
● ● ●	●	● ● ● ● ●

Name: _____ **Date:** _____

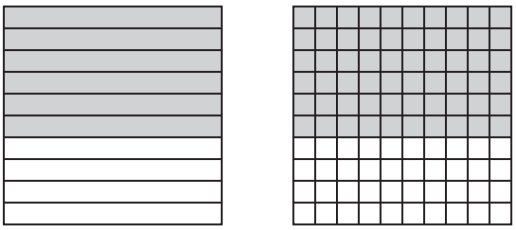
Express tenths as hundredths.

Example



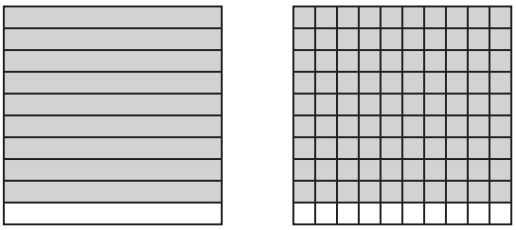
4 tenths = 40 hundredths

11.



6 tenths = _____ hundredths

12.



9 tenths = _____ hundredths

Fill in the blanks.

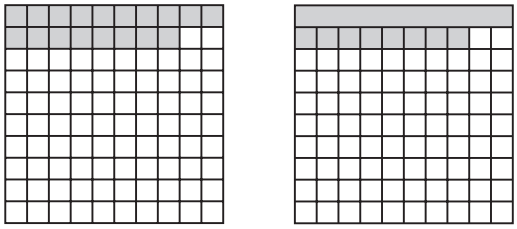
13. 3 tenths = _____ hundredths

14. 5 tenths = _____ hundredths

Name: _____ Date: _____

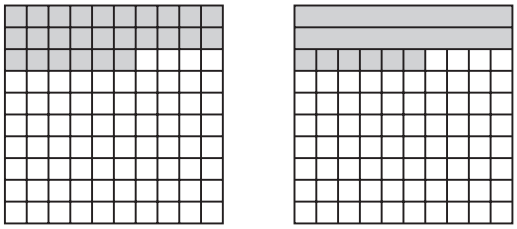
Express hundredths as tenths and hundredths.

Example



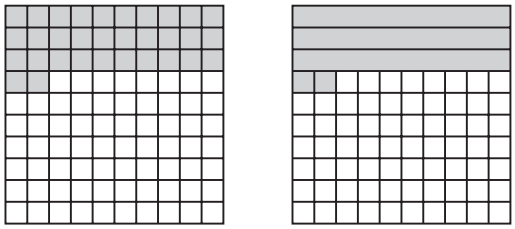
18 hundredths = 1 tenth 8 hundredths

15.



26 hundredths = _____ tenths _____ hundredths

16.



32 hundredths = _____ tenths _____ hundredths

Fill in the blanks.

17. 12 hundredths = _____ tenth _____ hundredths

18. 63 hundredths = _____ tenths _____ hundredths

Name: _____ Date: _____

Write each fraction as a decimal.

Example

$\frac{15}{100}$ = 0.15

Ones	Tenths	Hundredths
		○○○○○ ○○○○○ ○○○○○

Ones	Tenths	Hundredths
	○	○○○○○
0	1	5

$\frac{15}{100}$ = 15 hundredths

15 hundredths = 10 hundredths + 5 hundredths

= 1 tenth + 5 hundredths

= 0.1 + 0.05

= 0.15

Name: _____ Date: _____

19. $\frac{28}{100}$ = _____

Ones	Tenths	Hundredths

Ones	Tenths	Hundredths
0	2	8

$\frac{28}{100}$ = _____ hundredths

_____ hundredths = _____ hundredths + _____ hundredths

= _____ tenths + _____ hundredths

= _____ + _____

= _____

Fill in the blanks.

20. $\frac{52}{100}$ = _____ hundredths + _____ hundredths

= _____ tenths + _____ hundredths

= _____ + _____

= _____

Name: _____ Date: _____

Write each mixed number as a decimal.

Example

$1\frac{16}{100}$ = 1.16

Ones	Tenths	Hundredths
●	●	● ● ● ● ● ●
1	1	6

$1\frac{16}{100}$ = 1 one + 1 tenth + 6 hundredths

= 1 + 0.1 + 0.06

= 1.16

21. $1\frac{13}{100}$ = _____

Ones	Tenths	Hundredths
●	●	● ● ●

$1\frac{13}{100}$ = _____ one + _____ tenth + _____ hundredths

= _____ + _____ + _____

= _____

Name: _____ Date: _____

22. $2\frac{26}{100}$ = _____

Ones	Tenths	Hundredths
● ●	● ●	● ● ● ● ● ●

$2\frac{26}{100}$ = _____ ones + _____ tenths + _____ hundredths

= _____ + _____ + _____

= _____

Example

$2\frac{21}{100}$ = 2 ones + 2 tenths + 1 hundredth

= 2 + 0.2 + 0.01

= 2.21

23. $3\frac{41}{100}$ = _____ ones + _____ tenths + _____ hundredth

= _____ + _____ + _____

= _____

24. $4\frac{27}{100}$ = _____ ones + _____ tenths + _____ hundredths

= _____ + _____ + _____

= _____

Name: _____ **Date:** _____

Write each improper fraction as a decimal.

Example

$\frac{125}{100}$ = 1.25

Ones	Tenths	Hundredths
●	● ●	● ● ● ● ●
1	2	5

$\frac{125}{100}$ = 100 hundredths + 25 hundredths

= 1 one + 25 hundredths

= 1 one + 2 tenths + 5 hundredths

= 1 + 0.2 + 0.05

= 1.25

25. $\frac{142}{100}$ = _____

Ones	Tenths	Hundredths
●	● ● ● ●	● ●
1	4	2

$\frac{142}{100}$ = _____ hundredths + _____ hundredths

= _____ one + _____ hundredths

= _____ one + _____ tenths + _____ hundredths

= _____ + _____ + _____

= _____

Name: _____ Date: _____

Write the place values.

Example

0.15 = 1 tenth + 5 hundredths

= $\frac{1}{10}$ + $\frac{5}{100}$

Ones	Tenths	Hundredths
	●	● ● ● ● ●
0	1	5

$0.1 = \frac{1}{10}$

We read 0.1 as one tenth.
Its value is 1 tenth.

The digit 1 is in the tenths place.

The value of the digit is 0.1 or $\frac{1}{10}$.

The digit 5 is in the hundredths place.

The value of the digit is 0.05 or $\frac{5}{100}$.

$0.05 = \frac{5}{100}$

We read 0.05 as five hundredths.
Its value is 5 hundredths.

Name: _____ **Date:** _____

26. 0.24 = _____ tenths + _____ hundredths

= _____ + _____

Ones	Tenths	Hundredths
	○ ○	○ ○ ○ ○

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

The digit _____ is in the hundredths place.

The value of the digit is _____ or _____.

27. 0.54 = _____ tenths + _____ hundredths

= _____ + _____

Ones	Tenths	Hundredths
	○ ○ ○ ○ ○	○ ○ ○ ○

The digit _____ is in the tenths place.

The value of the digit is _____ or _____.

The digit _____ is in the hundredths place.

The value of the digit is _____ or _____.

Name: _____ Date: _____

Write the place values.

Example

3.52

= 3 ones 5 tenths 2 hundredths

= 3 + $\frac{5}{10}$ + $\frac{2}{100}$

Ones	Tenths	Hundredths
● ● ●	● ● ● ● ●	● ●
3	5	2

The digit 2 is in the hundredths place.

The digit 2 stands for 2 hundredths or 0.02.

The value of the digit is 0.02 or $\frac{2}{100}$.

The digit 5 is in the tenths place.

The digit 5 stands for 5 tenths or 0.5.

The value of the digit is 0.5 or $\frac{5}{10}$.

The digit 3 is in the ones place.

The digit 3 stands for 3 ones.

The value of the digit is 3.