

Worksheet 7

Writing Fractions as Decimals

1 Write each fraction as a decimal.

$$(a) \quad \frac{9}{10} = \boxed{9} \text{ tenths} = \boxed{0.9}$$

$$(b) \quad \frac{81}{100} = \boxed{81} \text{ hundredths} = \boxed{0.81}$$

$$(c) \quad \frac{1}{2} = \frac{\boxed{5}}{10} = \boxed{5} \text{ tenths} = \boxed{0.5}$$

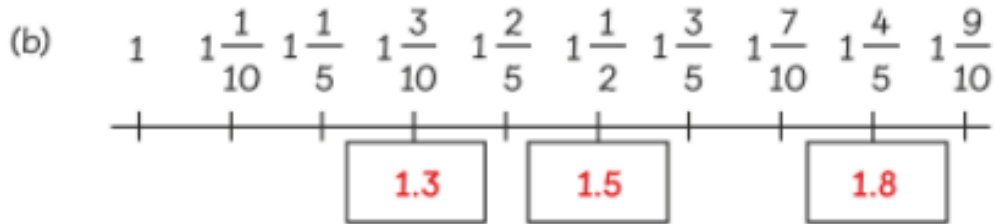
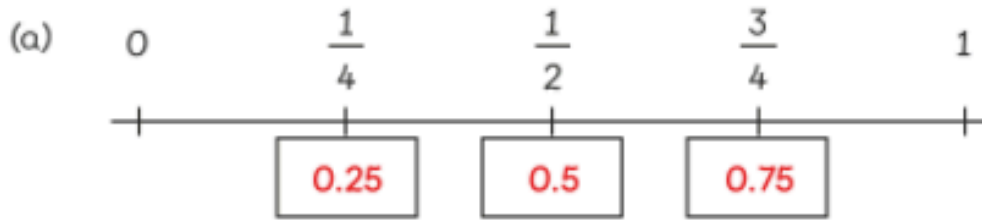
$$(d) \quad \frac{2}{5} = \frac{\boxed{4}}{10} = \boxed{4} \text{ tenths} = \boxed{0.4}$$

$$(e) \quad \frac{14}{20} = \frac{\boxed{70}}{100} = \boxed{70} \text{ hundredths} = \boxed{0.7}$$

$$(f) \quad \frac{27}{50} = \frac{\boxed{54}}{100} = \boxed{54} \text{ hundredths} = \boxed{0.54}$$

$$(g) \quad \frac{11}{25} = \boxed{44} \text{ hundredths} = \boxed{0.44}$$

2 Write each number as a decimal.



3 Compare the numbers. Use the symbols $>$ or $<$.

(a) $\frac{2}{5}$ 0.25

(b) $1\frac{13}{20}$ 1.13

(c) 0.34 $\frac{2}{4}$

(d) 4.1 $4\frac{1}{100}$

Use the digits 3, 4 and 5 to complete the decimal number.

0 .

List all the possible numbers you can make.

Write these decimals as mixed numbers.

Choose three of the numbers and write them in words.

2.25 = 2 ones, 2 tenths and 5 hundredths.

Can you write the following numbers in at least three different ways?

Amir says,


To convert a fraction to a decimal, take the numerator and put it after the decimal point.

E.g. $\frac{21}{100} = 0.21$



Write two examples of converting fractions to decimals to prove this does not always work.

Answers below:

<p>2.25 = 2 ones, 2 tenths and 5 hundredths.</p> <p>Can you write the following numbers in at least three different ways?</p> <p>23.7 2.37 9.08 0.98</p>	<p>Possible answer: Children may represent it in words, decimals, fractions, expanded form but also by partitioning the number in different ways.</p>
<p>Amir says,  To convert a fraction to a decimal, take the numerator and put it after the decimal point. E.g. $\frac{21}{100} = 0.21$</p> <p>Write two examples of converting fractions to decimals to prove this does not always work.</p>	<p>Possible answers could include $\frac{1}{100}$ is not equal to 0.1</p>

<p>Use the digits 3, 4 and 5 to complete the decimal number.</p> <p><input type="text"/> <input type="text"/> 0. <input type="text"/> <input type="text"/></p>	<p>30.45, 30.54, 40.35, 40.53, 50.43, 50.34</p>
<p>List all the possible numbers you can make.</p>	
<p>Write these decimals as mixed numbers.</p>	<p>$30 \frac{45}{100}$, $30 \frac{54}{100}$</p>
<p>Choose three of the numbers and write them in words.</p>	<p>$40 \frac{35}{100}$, $40 \frac{53}{100}$</p>
	<p>$50 \frac{43}{100}$, $50 \frac{34}{100}$</p>