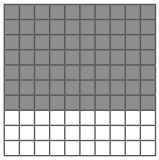
Decimals part I

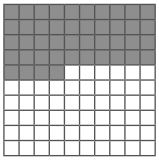
1 Write the shaded part in each drawing below as a common fraction, then as a decimal fraction.

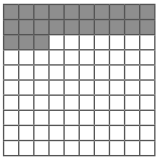
a ___; ___ **b** ___; ___

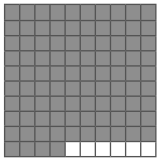
c ___; ___ **d** ___; ___

2 Write the shaded part in each drawing below as a common fraction, then as a decimal fraction.

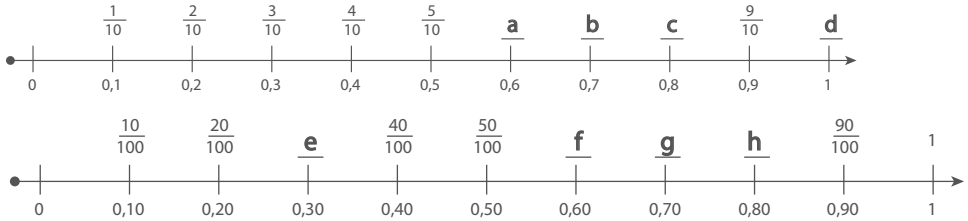
A  ___ ___

B  ___ ___

C  ___ ___

D  ___ ___

3 Fill in the missing values on the number lines below.



a ___ **b** ___ **c** ___ **d** ___

e ___ **f** ___ **g** ___ **h** ___

4 Write down the tenth or hundredth which is the equivalent of each decimal fraction or common fraction below.

a $0,5 = \frac{\quad}{100}$ **b** $0,8 = \frac{\quad}{100}$ **c** $0,60 = \frac{\quad}{100}$

d $\frac{90}{100} = 0,__$ **e** $\frac{2}{10} = 0,__$ **f** $0,03 = __$

5 Use the number lines in question **3** to show equivalent fractions.

a $\frac{7}{10} = \frac{\quad}{100}$ **b** $\frac{80}{100} = \frac{\quad}{10}$

c $\frac{3}{10} = \frac{\quad}{100}$ **d** $\frac{90}{100} = \frac{\quad}{10}$

6 Complete.

a $0,75 = \frac{7}{10} + \frac{5}{100} = 0,7 + ___$ **b** $0,37 = \frac{\quad}{10} + \frac{7}{\quad} = ___ + ___$

c $0,25 = ___ + __ = 0,__ + 0,__$ **d** $___ = \frac{3}{10} + \frac{5}{100} = 0,3 + 0,05$

7 Write the numbers below in decimal form.

a four-tenths: _____ **b** fifty-eight hundredths: _____

c thirty-nine hundredths: _____ **d** one-tenth: _____

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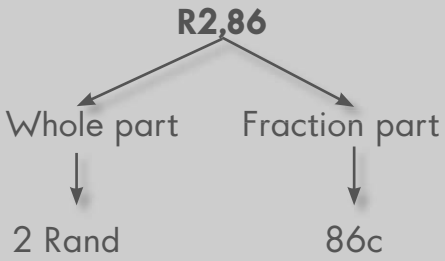
Decimals part 2: Money and measurements

1 Write each decimal number in words.

Examples: 8,7 is equal to eight and seven-tenths.
11,39 is equal to eleven and thirty-nine hundredths

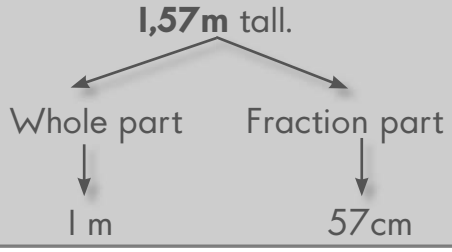
	Number	Words
a	12,6	
b	4,78	
c	0,30	
d	9,07	
e	0,01	

Decimals are commonly used when we write out amounts of money.



Decimals are also used to measure accurately. Look at the example below.

The height of a person:



2 What is the place value of the digit 8 in each decimal number?

a 118,67 _____ **b** 0,84 _____ **c** 0,08 _____

d 286,37 _____ **e** 895, 27 _____ **f** 80,07 _____

3 Write the place values of the underlined numbers.

a R139,<u>6</u>3 _____ **b** 1<u>8</u>,63 m _____ **c** <u>5</u>7,43 kg _____

d 2,<u>6</u> km _____ **e** R<u>3</u>49,99 _____ **f** R7<u>8</u>6,23 _____

4 Write each amount in cents.

a R1,00 _____ **b** R7,28 _____ **c** R6,07 _____ **d** R0,82 _____

5 Write each amount in Rands and cents.

a 919c _____ **b** 702c _____ **c** 19c _____ **d** 2c _____

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