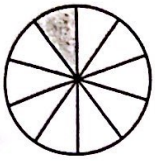
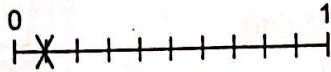


NS4-99: Decimal Tenths

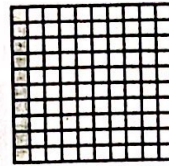
A tenth (or $\frac{1}{10}$) can be represented in different ways.



A tenth of a pie.



A tenth of the distance between 0 and 1.



A tenth of a hundreds block.

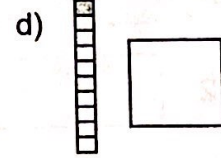
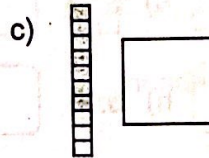
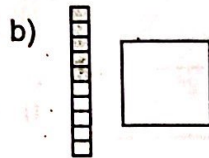
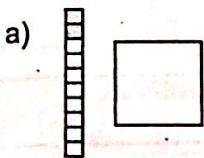


A tenth of a tens block.

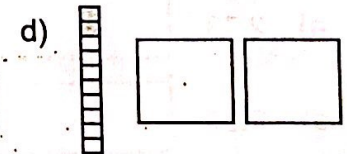
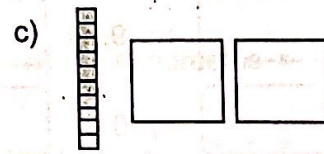
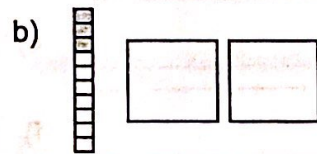
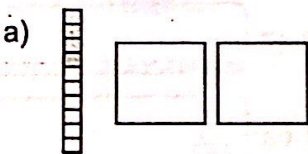
Tenths commonly appear in units of measurement ("a millimetre is a tenth of a centimetre").

Mathematicians invented the decimal as a short form for tenths: $\frac{1}{10} = .1$ (or 0.1), $\frac{2}{10} = .2$ and so on.

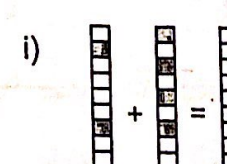
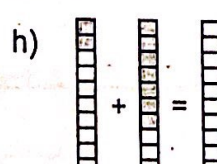
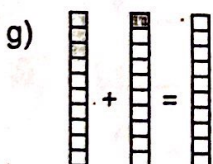
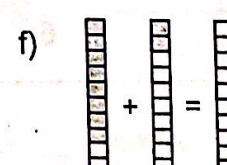
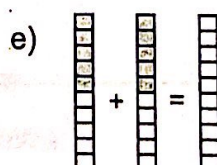
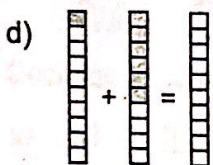
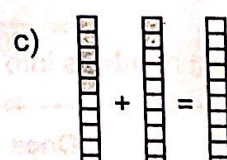
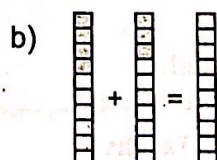
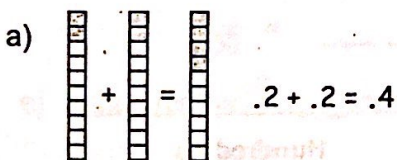
1. Write a fraction for each shaded part in the boxes below.



2. Write a fraction AND a decimal for each shaded part in the boxes below.



3. Write a decimal for each shaded part. Then add them together and shade your answer. The first one has been done for you.

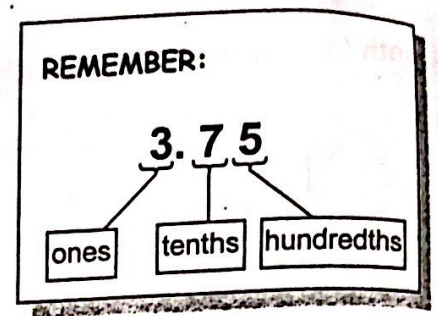


4. Continue the pattern: 0.2, 0.4, 0.6, _____, _____

NS4-100: Place Value (Decimals)

Fractions with denominators that are multiples of ten (tenths, hundredths) commonly appear in units of measurement.

- A millimetre is a tenth of a centimetre (10 mm = 1 cm)
- A centimetre is a tenth of a decimetre (10 cm = 1 dm)
- A decimetre is a tenth of a metre (10 dm = 1 m)
- A centimetre is a hundredth of a metre (100 cm = 1 m)



Decimals are short forms for fractions. The chart shows the value of the decimal digits.

1. Write the place value of the underlined digit.

- a) 2.63 hundredths b) 3.21 c) 7.52
- d) 5.29 e) 9.98 f) 1.05
- g) 0.32 h) 5.55 i) 6.42

2. Give the place value of the number 7 in each of the numbers below.

- a) 2.73 b) 9.73 c) 0.47
- d) 2.07 e) 0.07 f) 7.83
- g) 9.75 h) 2.37 i) 6.67

3. Write the following numbers into the place value chart.

	Ones	Tenths	Hundredths
a) 6.02	6	0	2
b) 8.36			
c) 0.25			
d) 1.20			
e) 0.07			