



1)

a)	e) five-tenths
b) 0.5	f)
c)	g) 0.9
d) $\frac{4}{10}$	h) $\frac{2}{10}$

2)

Representation	Decimal	Fraction
	0.4	$\frac{4}{10}$
	0.8	$\frac{8}{10}$
	0.7	$\frac{7}{10}$
	0.5	$\frac{5}{10}$
0.1 shown on any of the above representations.	0.1	$\frac{1}{10}$
$\frac{2}{10}$ shown on any of the above representations.	0.2	$\frac{2}{10}$

3)

Representation	Decimal	Fraction
	1.3	$\frac{13}{10}$
	1.9	$\frac{19}{10}$
	1.6	$\frac{16}{10}$

1) *Jas is correct as the representation shows one whole and four-tenths. Lin is incorrect. Lin has counted the whole shape as one-tenth, not ten-tenths. She should have written 1.4 or fourteen-tenths.*



2) a) *The whole 1 should be written before the decimal point and the 8 tenths after the decimal point to show 1.8 as the answer.*

b) *A model drawn which helps to show how to convert fractions to decimals with accompanying notes. For example:*

	← This is one whole, there are $\frac{10}{10}$ in one whole.
	← In this bar, 8 out of the 10 parts have been shaded. This is $\frac{8}{10}$

$\frac{10}{10} = 1.0$ - whole numbers are written before the decimal point.
 $\frac{8}{10} = 0.8$

$1\frac{8}{10}$ is written as 1.8 in decimals.



Centimetres and Millimetres	Millimetres	Fraction	Decimal
1cm 2mm	12mm	$1\frac{2}{10}$ cm ($\frac{12}{10}$)	1.2cm
1cm 5mm	15mm	$1\frac{5}{10}$ cm ($\frac{15}{10}$)	1.5cm
0cm 5mm	5mm	$\frac{5}{10}$ cm	0.5cm
1cm 7mm	17mm	$1\frac{7}{10}$ cm ($\frac{17}{10}$)	1.7cm

2) a)

$\frac{4}{10}$

four-hundredths

0.1	0.1	0.1	0.1	

$\frac{4}{100}$

four-tenths

b) Children represent $\frac{7}{10}$ in a variety of ways including similar models and representations shown above. For example:

seven-tenths

$\frac{7}{10}$