CANONBURY
PRIMARY SCHOOL
Create, discover and succeed together
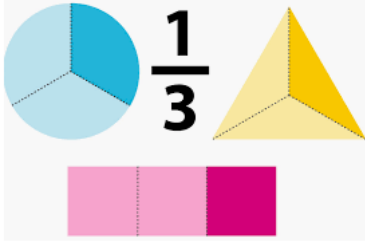
Model: **A third** is another type of fraction.
This is when something is split into **3 equal parts.**
This picture shows one third of each shape is coloured in:

$\frac{1}{3}$

To find a third of an amount we **share into 3 equal groups.**

So: Find a third of 6:

- **Share 6 into 3 equal groups.**
- **Count how many in one group**
- **A third of 6 is 2**

Task 1:

Use your toys or objects at home to help find a third of these amounts by sharing them into 3 equal groups:

    a) Third of 3
    b) Third of 9
    c) Third of 18
    d) Third of 12

Task 2:

Which shapes represent one third?

Explain why the other circles do not represent one third.

Dora says,

I have one third of a pizza because I have one slice and there are three slices left.

Do you agree? Explain your reasoning.

Canonbury Home Learning
Year 3 Maths   Lesson 30

LO: To understand tenths as decimals

Success Criteria:

1. The Tenths digit goes to the right of the Ones digit
2. Draw a **decimal point** between the Ones digit and the Tenths digit
3. After 9 tenths comes 10 tenths, this is the same as **1** whole.

Model: **Decimals** are another way we can represent **tenths**.

We can make numbers in a place value grid.

Hundreds	Tens	Ones
5	0	4

If we are using tenths, we need a new place value column.

Hundreds	Tens	Ones	•	Tenths

The tenths column is to the right of the ones column. We use a decimal point to write numbers containing tenths.

Ones	•	Tenths
		🔟 🔟 🔟 🔟 🔟 🔟

There are _0_ ones.
There are _6_ tenths.
The number is _0.6_

Ones	•	Tenths
🟡 🟡 🟡		🟡 🟡 🟡 🟡

There are _3_ ones.
There are _4_ tenths.
The number is _3.4_

Now you try:

Ones	•	Tenths
		🟡 🟡 🟡 🟡 🟡 🟡 🟡

There are ____ ones.
There are ____ tenths.
The number is _____

Count in tenths along the counting stick and write both the fractions and decimal numbers as you go:

e.g.

0.1
$\frac{1}{10}$

Hint! Think carefully about what the last number would be!

Maths – Main activity

Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
● (ten frame, 1 filled)	1 tenth		0.1
●●●●● ●● (ten frame, 7 filled)		$\frac{7}{10}$	
(empty ten frame)			0.3
(empty ten frame)	5 tenths		

2 Match each bar model to the equivalent decimal.

(bar model, 4 filled) — 0.8

(bar model, 8 filled) — 0.6

(bar model, 6 filled) — 0.4
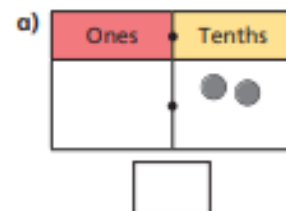
3 Mo is using a place value chart to represent numbers.

Write each number as a decimal.

a)
Ones	Tenths
	●●

□

c)
Ones	Tenths
●	●●● ●●●

□

b)
Ones	Tenths
	●●● ●● ●●

□

d)
Ones	Tenths
●● ●●	●●

□
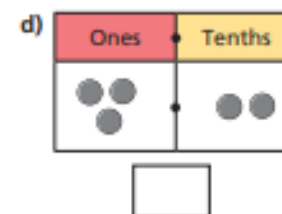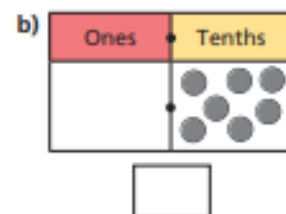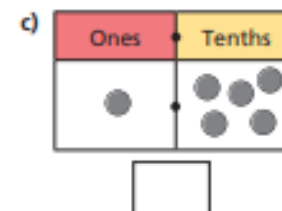
4 Draw counters to represent the numbers.

a) 0.3
Ones	Tenths

c) 1.3
Ones	Tenths

b) 3
Ones	Tenths

d) 3.1
Ones	Tenths

5 Continue the pattern.

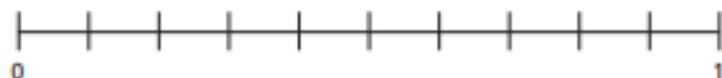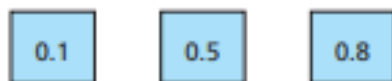| $\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths				

6 What decimal is each arrow pointing to?

A = ☐   B = ☐   C = ☐

7 Estimate the position of the decimals on the number lines.

a)
| 0.1 | 0.5 | 0.8 |

b)
| 0.4 | 0.7 | 0.9 |

c)
| 0.6 | 1.2 | 1.7 |
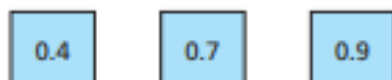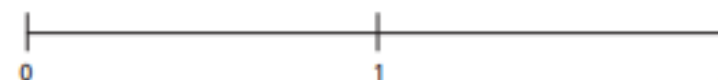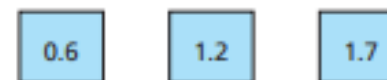
8 Complete the statements.

a) $0.2 > \dfrac{\Box}{10}$

b) $0.8 < \dfrac{\Box}{10}$

c) $\Box$ tenths = 0.7

d) $\Box = \dfrac{12}{10}$

Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.

Ones	Tenths

List all the possible numbers she could represent.

_____

_____

_____