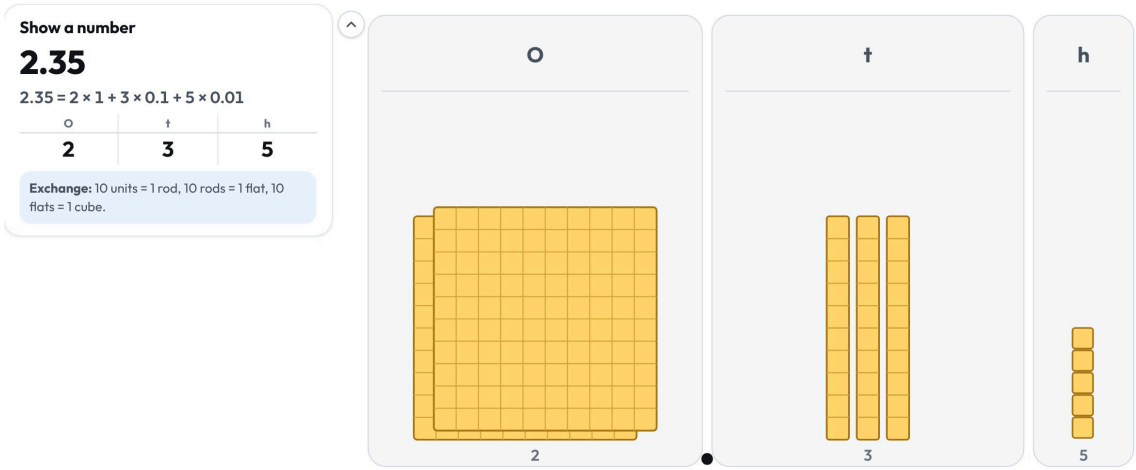
Name _____ Date _____

Place Value in Decimals

Example



When a flat is one whole, a rod is **one tenth** (0.1) and a unit cube is **one hundredth** (0.01):

$$2.35 = 2 \times 1 + 3 \times 0.1 + 5 \times 0.01.$$

1 ON YOUR OWN Write the numbers in the place value table, each digit in its own column.

	H	T	O	t	h	th
32.5						
4.07						
0.382						
105.6						

2 ON YOUR OWN What is the digit 7 worth in each number? Write it as a decimal or a whole number.

7.2 → ☐ 0.7 → ☐ 0.07 → ☐

70.3 → ☐ 0.207 → ☐ 1.370 → ☐

Names (pair) _____ Date _____

Remember

Each place to the right is worth **10 times less**. The decimal point comes after the ones. Around the ones, tens face tenths and hundreds face hundredths.

3 IN PAIRS Exchanging. Fill in.

$1 =$ ☐ tenths

$0.1 =$ ☐ hundredths

$1 =$ ☐ hundredths

$2.4 =$ ☐ tenths

$1.05 =$ ☐ hundredths

$0.36 = 3$ tenths and ☐ hundredths $= 2$ tenths and ☐ hundredths

4 ON YOUR OWN Split the number by place value, or put it together.

$4.26 =$ ☐ + ☐ + ☐

$30.08 =$ ☐ + ☐

$5 + 0.3 + 0.008 =$ ☐

$2 + 0.07 =$ ☐

$10 + 0.1 + 0.01 =$ ☐

5 IN PAIRS True or false? Explain.

0.30 is ten times bigger than 0.3. **true / false**

Why? _____

In 5.55 the first five is worth 100 times more than the last one. **true / false**

Why? _____

The Place Value Blocks app · otooly.com/place-value-blocks

Choose **Decimals**: a flat is one whole. Exchange a flat for 10 rods and a rod for 10 unit cubes.

★ ON YOUR OWN **Exit card.** Write the number with 3 ones, 0 tenths and 9 hundredths. What is the digit 9 worth?

_____