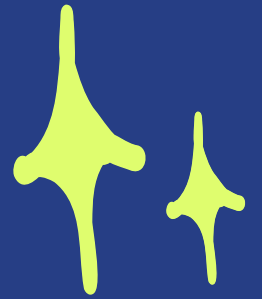
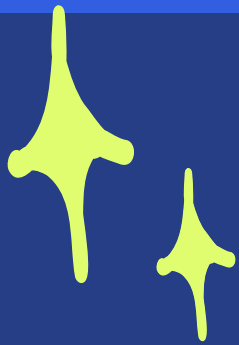




# Decimal Place Value



Tenths & Hundredths



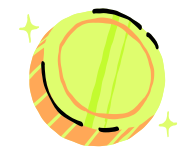


# LEARNING INTENTION

I am learning to recognise and use place value to represent tenths and hundredths using decimal notation.

# SUCCESS CRITERIA

I can:



explain what the digit after the decimal point represents (tenths and hundredths)



identify how many tenths and hundredths are in a decimal number



read decimal amounts for money



read decimal amounts for measurements

# DECIMAL PLACE VALUE

Every decimal number has digits in specific places.

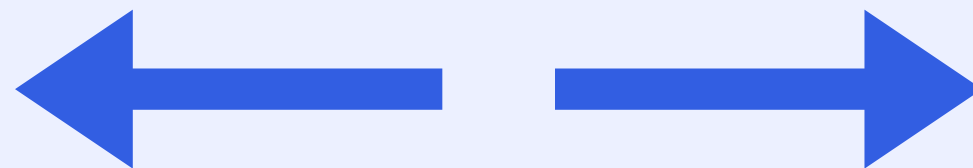


*Decimal point*

| <i><b>Ones</b></i> | <i><b>Tenths</b></i> | <i><b>Hundredths</b></i> |
|--------------------|----------------------|--------------------------|
|                    |                      |                          |

*Whole number part*

*Decimals (parts less than 1 whole)*



# EXAMPLE #1

I DO

Let's place 2.75 on the place value chart.

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 2    | 7      | 5          |

2 ones

7 tenths

5 hundredths

2

+

0.7

+

0.05

Two point seven five

# EXAMPLE #2



I DO

Let's place \$6.22 on the place value chart.

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 6    | 2      | 2          |

6 ones (dollars)

2 tenths

2 hundredths

6

+

0.2

+

0.02

Six dollars twenty two

# EXAMPLE #3

I DO

Let's place 4.07 metres on the place value chart.

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 4    | 0      | 7          |

4 ones (metres)

0 tenths

7 hundredths

4

+

0.0

+

0.07

Four point zero seven metres

# LET'S TRY TOGETHER

WE DO

Complete the place value chart for 3.48, then answer the questions.

| Ones | Tenths | Hundredths |
|------|--------|------------|
|      |        |            |

1. What digit is in the ones place?
2. What does the 4 represent?
3. What does the 8 represent?
4. How do we say 3.48 aloud?



WE DO

Complete the place value chart for 3.48, then answer the questions.

| Ones | Tenths | Hundredths |
|------|--------|------------|
|      |        |            |

1. What digit is in the ones place? **3 ones (3 wholes)**
2. What does the 4 represent? **4 tenths (0.4)**
3. What does the 8 represent? **8 hundredths (0.08)**
4. How do we say 3.48 aloud? **Three point four eight**



# MONEY EXAMPLE

WE DO

Anika has \$5.63. Let's place it on the chart and answer the questions.

| Ones | Tenths | Hundredths |
|------|--------|------------|
|      |        |            |

1. How many whole dollars does Anika have?
2. What does the digit 6 represent in \$5.63?
3. What does the digit 3 represent?
4. How would you say \$5.63 aloud?



WE DO

Anika has \$5.63. Let's place it on the chart and answer the questions.

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 5    | 6      | 3          |

1. How many whole dollars does Anika have? **\$5**
2. What does the digit 6 represent in \$5.63? **6 tenths (60 cents)**
3. What does the digit 3 represent? **3 hundredths (3 cents)**
4. How would you say \$5.63 aloud? **Five dollars sixty three**



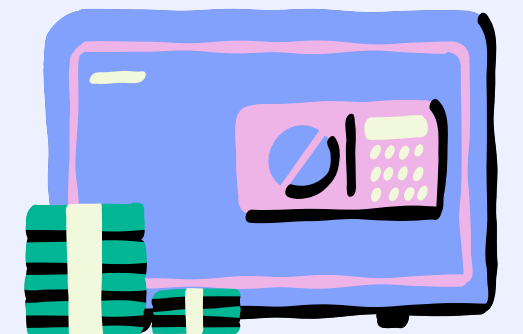
# PRACTICE Q1

**YOU DO**

Complete the place value chart for 6.29, then answer all four questions.

| Ones | Tenths | Hundredths |
|------|--------|------------|
|      |        |            |

1. What digit is in the tenths place?
2. What does the digit 9 represent?
3. What is the value of the digit 6?
4. Write the number 6.29 in words.



# PRACTICE Q2

**YOU DO**

A plank of wood is 1.35 m long. Represent it on the place value chart.

| Ones | Tenths | Hundredths |
|------|--------|------------|
|      |        |            |

1. How many whole metres long is the plank?
2. What does the digit 5 represent?
3. How do you say 1.35 m aloud?
4. Is 1.35 metres closer to 1 metre or 2 metres?

# CHALLENGE Qs



**YOU DO**

1. Write a decimal number where the tenths digit is double the hundredths digit. Place it on a chart and write it in words.
2. Maya says that  $0.7$  and  $0.70$  are different numbers because  $0.70$  has more digits. Do you agree or disagree? Explain your thinking using a place value chart.

# ANSWERS

## PRACTICE Q1

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 6    | 2      | 9          |

- 1.2 tenths (0.2)
- 2.9 hundredths (0.09)
- 3.6 ones (6 wholes)
4. Six point two nine

## PRACTICE Q2

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 1    | 3      | 5          |

- 1.1 whole metre
- 2.5 hundredths (0.05)
3. One point three five metres
4. It is closer to 1 metre than 2 metres

# ANSWERS (CHALLENGE Qs)

Q1

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 4    | 8      | 4          |

Four point eight-four

Q2

| Ones | Tenths | Hundredths |
|------|--------|------------|
| 0    | 7      |            |

0.7 also has 0 hundredths,  
even though it is not written.



| Ones | Tenths | Hundredths |
|------|--------|------------|
| 0    | 7      | 0          |

So, 0.7 and 0.70 represent  
the same number.

