

DECIMALS

Decimal Place Value and Rounding Decimals

For Learning To Happen:



- Remove all other thoughts from your mind.
- Pay close attention.
- Try all the examples.
- Ignore all other distractions.

Decimal Place Value

Decimals are read as “**and**”



4 . 1 8

Thousands

Hundreds

Tens

Ones

Tenths

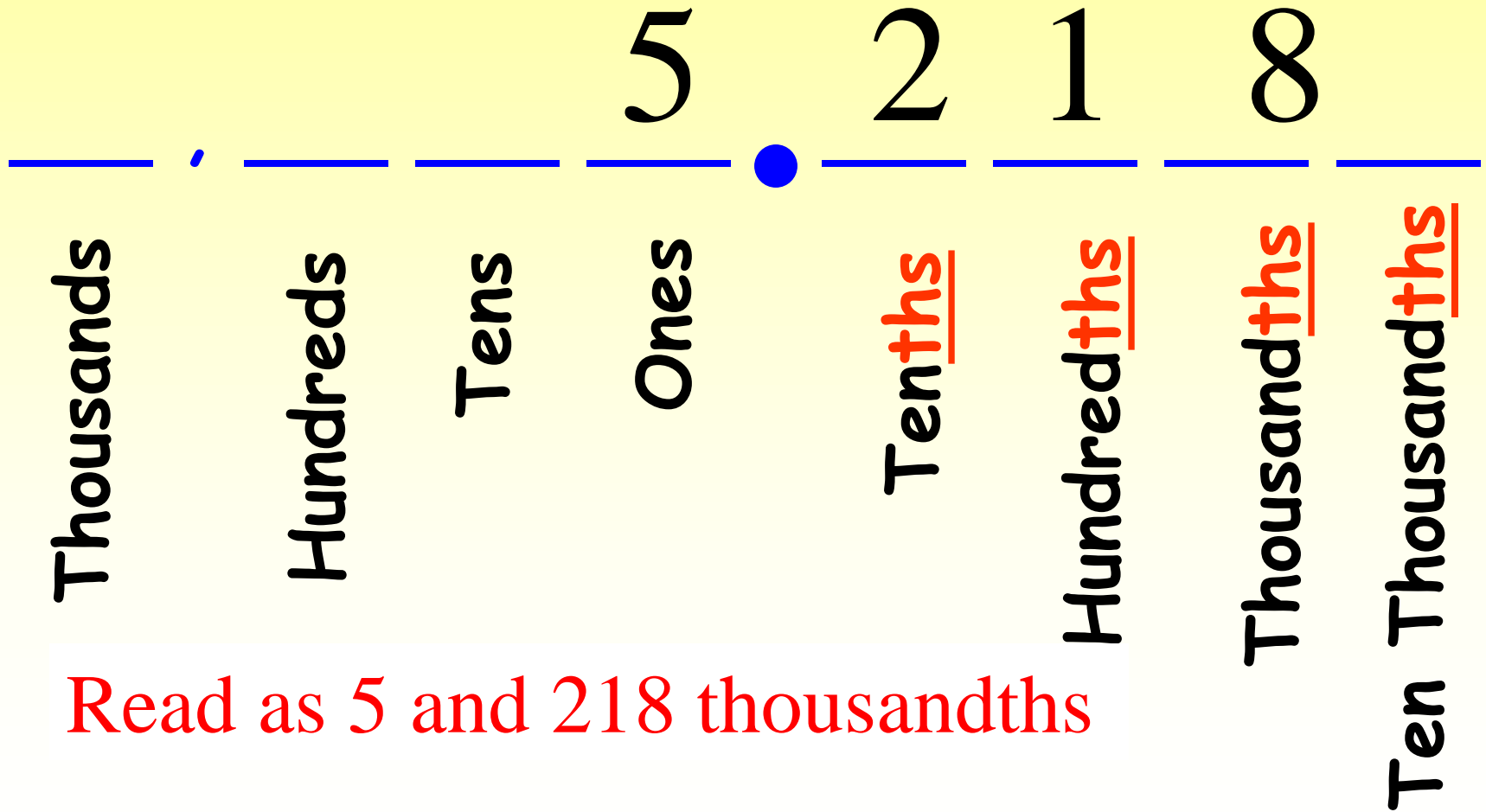
Hundredths

Thousandths

Ten Thousandths

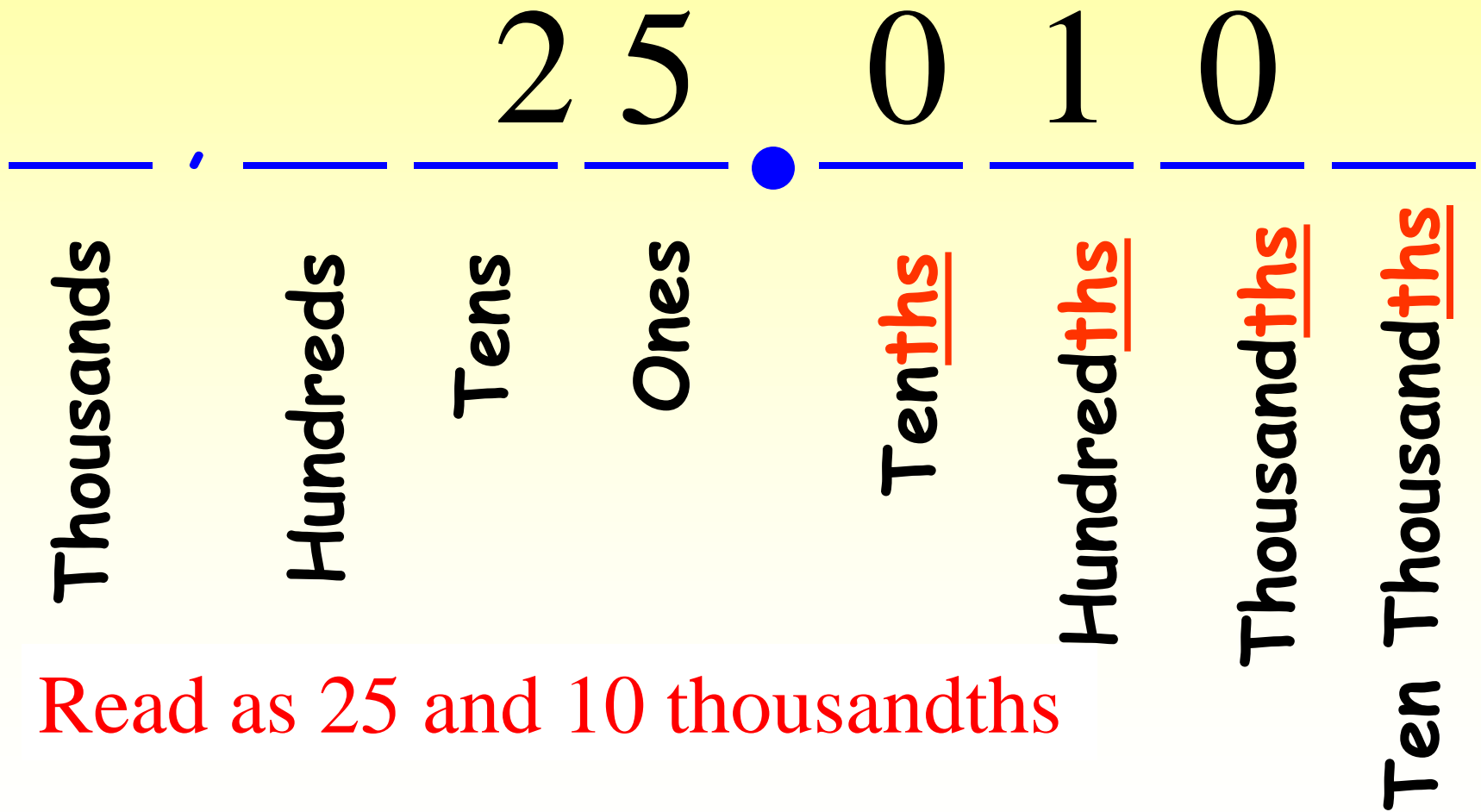
Read as 4 and 18 hundredths

Decimal Place Value



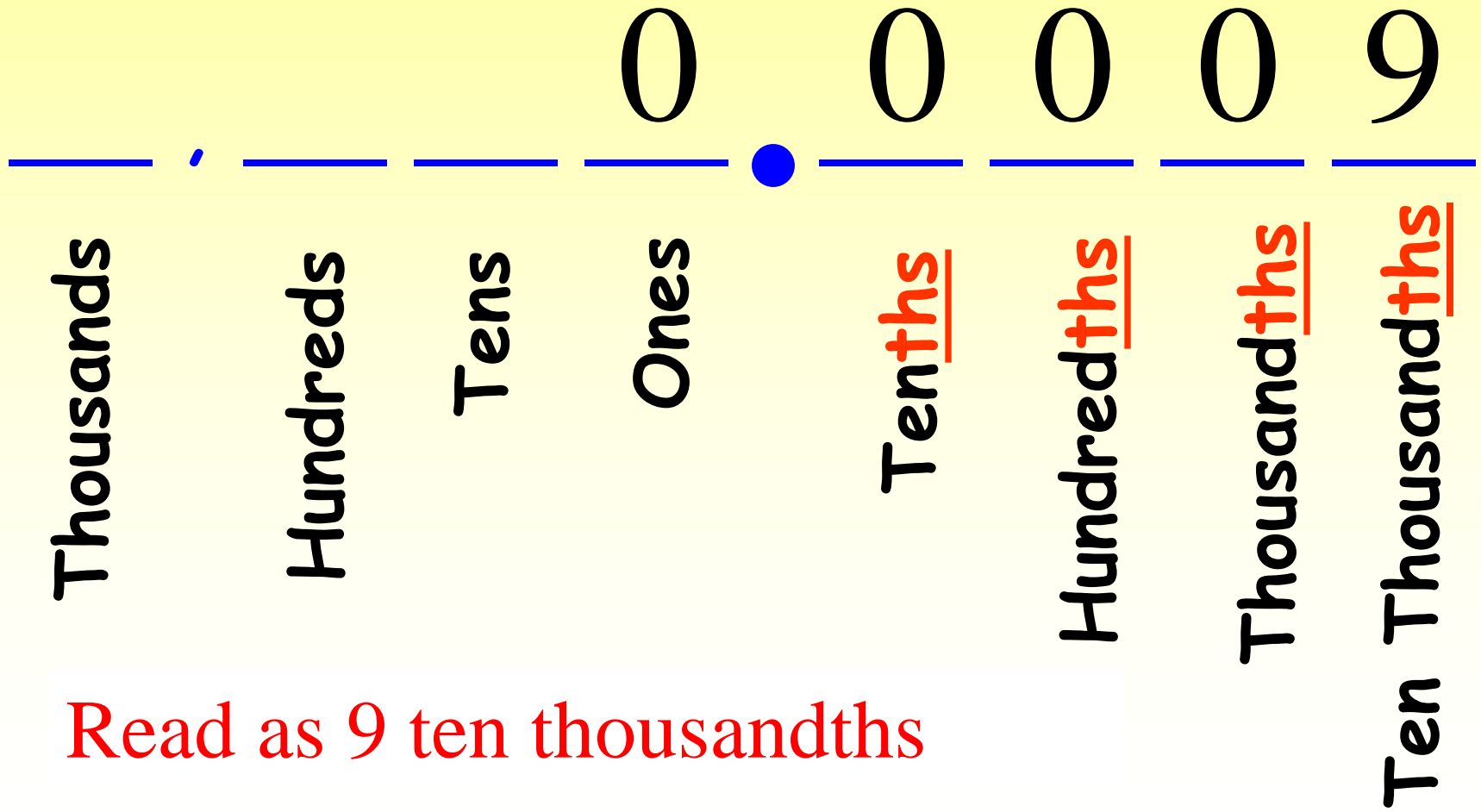
Read as 5 and 218 thousandths

Decimal Place Value



Read as 25 and 10 thousandths

Decimal Place Value



Read as 9 ten thousandths

Rounding Decimals

Memorize this Poem

**Find your number. Circle it.
Look next door.
4 or less just ignore.
5 or more, add 1 more.**

Rounding Decimals

Find the number. Circle it.

Look next door.

4 or less just ignore.

5 or more add one more.

Example: Round **4129** to nearest **hundreds**.

Circle the 1 in the hundreds place.

Look next door at the 2.

It is 4 or less so just ignore.

4129 rounds to 4100

Rounding Decimals

Round to the nearest **ten thousand**.

Find your number.

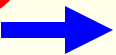
3 **6** 8,9 7 1

Circle the number in the **ten thousands** place.

Rounding Decimals

Round to the nearest **ten thousand**.

Look next door.

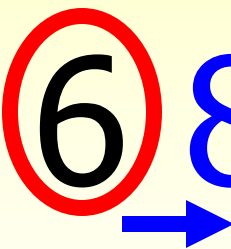
3 **6** 8,9 7 1


Draw an arrow to the right of the number.

Rounding Decimals

Round to the nearest **ten thousand**.

4 or less, just ignore.

3 **6** **8**,9 7 1


8 is larger than 4 so go to the next line of the poem.

Rounding Decimals

Round to the nearest **ten thousand**.

5 or more, add 1 more.

3 **6** **8**,9 7 1
+1
→

Add 1 to the 6.

Rounding Decimals

Round to the nearest **ten thousand**.

5 or more, add 1 more.

$36,897$

$+1$

$37,000$

Rounding Decimals

Round to the nearest **hundredths**.

Find your number.

3 5. 3 **2** 7

Circle the number in the **hundredths place**.

Rounding Decimals

Round to the nearest **hundredths**.

Look next door.

3 5. 3 **2** 7

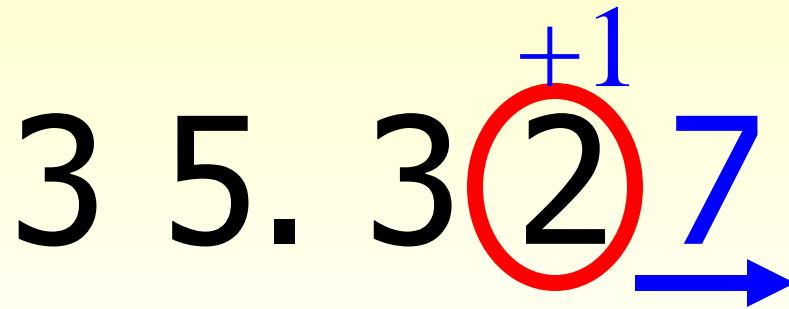

Draw an arrow to the right of the number.

Rounding Decimals

Round to the nearest **hundredths**.

5 or more, add 1 more.

3 5. 3 **2** **7**



Since 7 is greater than 5, add 1 to the 2.

Rounding Decimals

Round to the nearest **hundredths**.

5 or more, add 1 more.

$$\begin{array}{r} 35.3\overset{+1}{\textcircled{2}}7 \\ \hline 35.33 \end{array}$$

Rounding Decimals

Round to the nearest **tenths place**.

Find your number.


4. **8** 7 1

Circle the number in the **tenths place**.

Rounding Decimals

Round to the nearest **tenths place**.

Look next door.

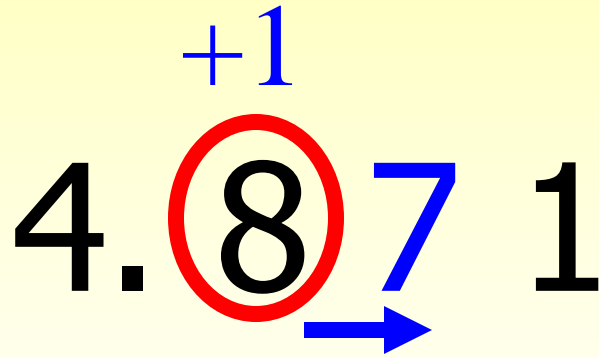
4. **8** 7 1


Draw an arrow to the right of the circled number.

Rounding Decimals

Round to the nearest **tenths place**.

5 or more, add 1 more.

$$4.\overset{+1}{\textcircled{8}}71$$


Since 7 is greater than 5, add 1 to the 8.

Rounding Decimals

Round to the nearest **tenths place**.

5 or more, add 1 more.

$$\begin{array}{r} +1 \\ \cancel{4.871} \\ \hline 4.9 \end{array}$$

Rounding Decimals

Round to the nearest **hundredths**.

Find your number.

6 2. 4 **2** 1


Circle the number in the **hundredths place**.

Rounding Decimals

Round to the nearest **hundredths**.

Look next door.

6 2. 4 **2** 1



Rounding Decimals

Round to the nearest **hundredths**.

4 or less just ignore.

6 2. 4 **2** 1

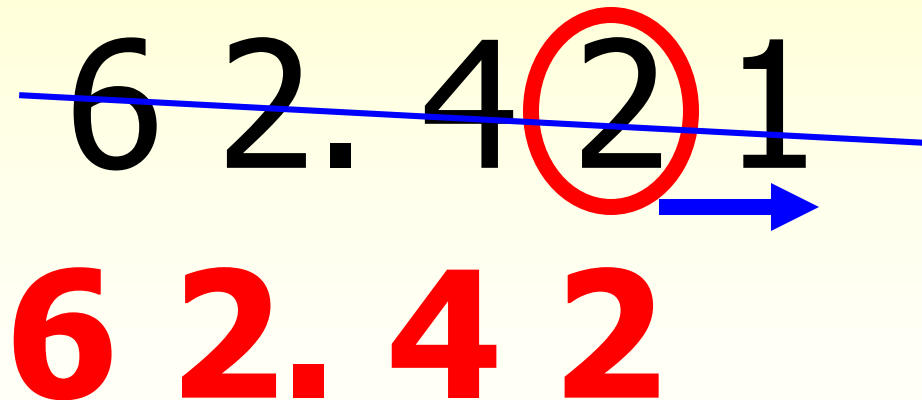

Since 1 is less than 4 just drop it.

Rounding Decimals

Round to the nearest **hundredths**.

4 or less just ignore.

~~6 2. 4 2 1~~
6 2. 4 2



Rounding Decimals

Try the following problems on your own.

Round to the
nearest **tenths**

3.**4**78

3.5

Round to the
nearest **hundredths**

22.5**9**72

22.60

That's all Folks!

THE END!!!

Take out your study guide

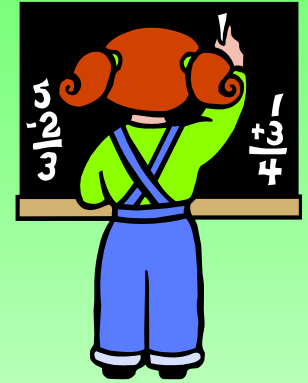
1 Steps for Rounding

Find the number. Circle it.

Look next door.

4 or less just ignore.

5 or more add one more.



Example: Round **5.328** to the nearest **hundredths**.

Circle the 2 in the hundredths place.

Look next door at the 8.

It is 5 or more so add 1 more to the hundredths place.

5.328 rounds to 5.33