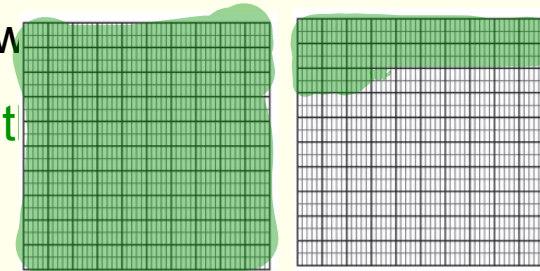






In this unit we have learned how to do the following

- > Represent decimal numbers to thousandths
  - in standard form (e.g. 1.234)
  - written form (e.g. one and two hundred thirty-four thousandths)
  - expanded form (e.g.  $1 + 0.2 + 0.03 + 0.004$ )
  - on a thousandths grid
  - on a place value chart, using base 10 blocks



ones	tenths	hundredths	thousandths
			

- > Write numbers as equivalent decimals or fractions
- > Round decimal numbers to the nearest whole, tenth and hundredth
- > Order and compare decimal numbers, and place them on a numberline

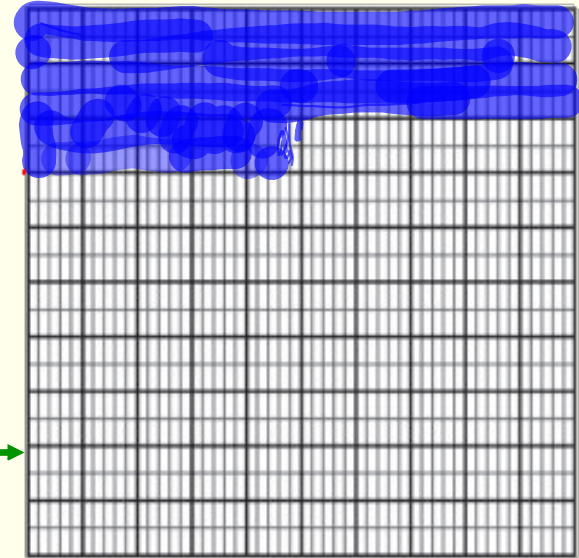
> Represent decimal numbers to thousandths:

– in standard form: 0.251

– written form: Two Hundred fifty one thousandths

– expanded form  $0.2 + 0.05 + 0.001$

– on a thousandths grid



– on a place value chart, using base 10 blocks

ones	tenths	hundredths	thousandths
	● □ □	□ □ □ □ □ □	□

\* what is the value of the "2" in the number above?

2 Tenths

> Write numbers as equivalent decimals or fractions

decimal tenth	decimal hundredth	decimal thousandth	fraction tenth	fraction hundredth	fraction thousandth
0.1	0.10	0.100	$\frac{1}{10}$	$\frac{10}{100}$	$\frac{100}{1000}$
<del> </del>	<del> </del>	0.507	<del> </del>	<del> </del>	$\frac{507}{1000}$
<del> </del>	0.03	0.030	<del> </del>	$\frac{3}{100}$	$\frac{30}{1000}$
0.7	0.70	0.700	$\frac{7}{10}$	$\frac{70}{100}$	$\frac{700}{1000}$

- > Round decimal numbers to the nearest <sup>(one)</sup> whole, tenth and hundredth
  - \* look to the right of the place value you're rounding
  - \* "more than 4, add one more!"

3.961

Nearest whole (one): 4

Nearest hundredth: 3.96

Nearest tenth: 4.0

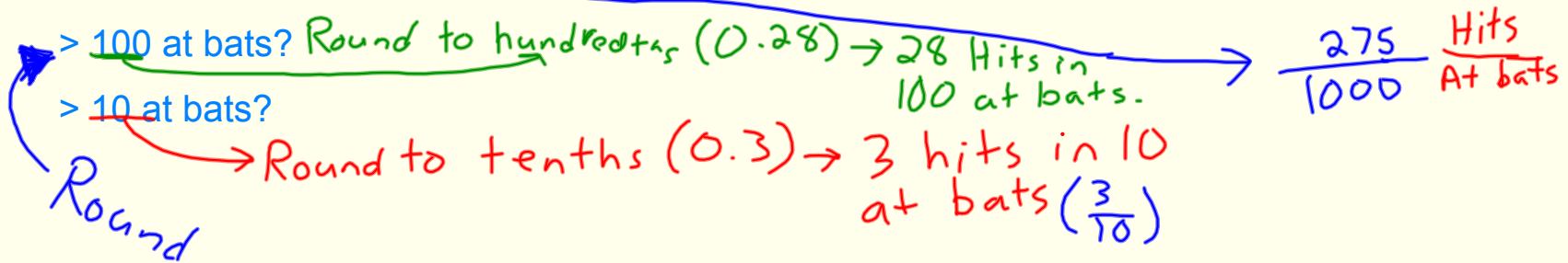
0.487

Nearest whole: 0

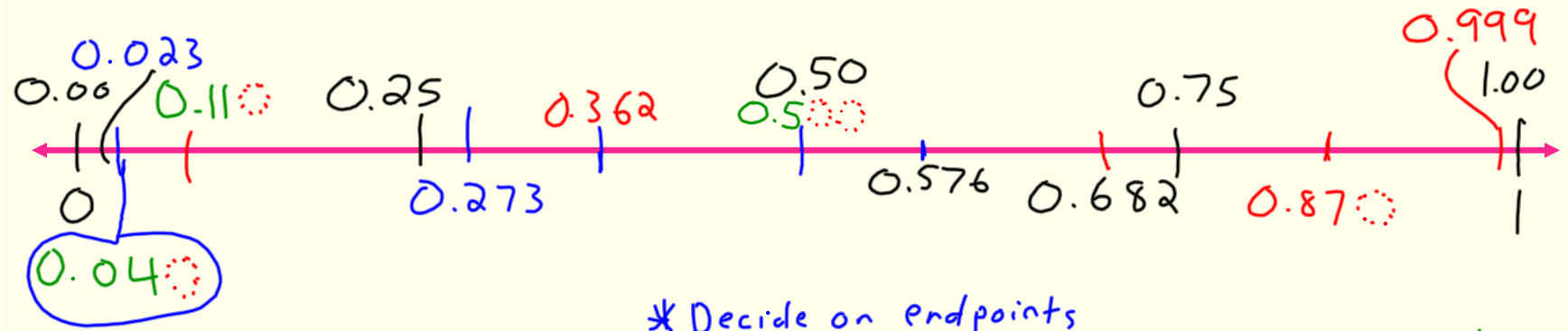
Nearest tenth: 0.5

Nearest hundredth: 0.49

If Josh has a batting average of 0.275, how many hits can we expect him to get in:



> Order and compare decimal numbers, and place them on a numberline



- \* Decide on endpoints
- \* add benchmarks (0.5, 0.25, 0.75)
- \* you can add zeros at the end of decimal numbers to compare

$0.3 < 0.47$   
 $0.039 < 0.06$   
 $0.7 = 0.700$   
 $0.067 < 0.08$

$0.01 = 0.010$   
 $0.90 > 0.09$   
 $6.03 < 6.1$