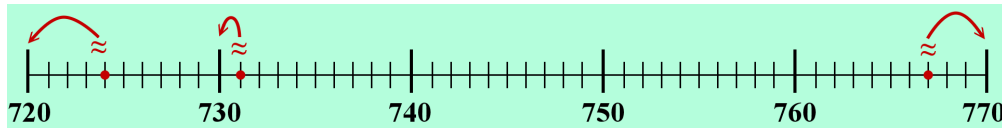# Rounding to the Nearest Ten, Part 2

Look at the number line below. Think about all the numbers between 740 and 750.

Which of them are *nearer* to 740 than to 750? Those get rounded to 740, when rounding to the nearest ten.

Which ones are nearer to 750, and get rounded to 750?

Study the examples below. They are also illustrated on the number line with arrows.

$731 \approx 730$	$767 \approx 770$	$724 \approx 720$
(731 is approximately 730)	(767 is about 770)	(724 is approximately 720)

- Numbers that end in 1, 2, 3, or 4 are *rounded down* to the previous whole ten.
- Numbers that end in 5, 6, 7, 8, and 9 are *rounded up* to the next whole ten.

Note: Numbers ending in 5 are rounded up, even though they are as far from the previous whole ten as they are from the next. For example, 855 is equally far away from 850 as it is from 860, but 855 ≈ 860 when rounding to the nearest ten.

1. Round the numbers to the nearest ten. Use the number line to help.

a. 243 ≈ _____	**b.** 287 ≈ _____	**c.** 251 ≈ _____	**d.** 298 ≈ _____
e. 266 ≈ _____	**f.** 214 ≈ _____	**g.** 255 ≈ _____	**h.** 295 ≈ _____
i. 307 ≈ _____	**j.** 302 ≈ _____	**k.** 276 ≈ _____	**l.** 242 ≈ _____

Add & Subtract 3 (Blue Series)
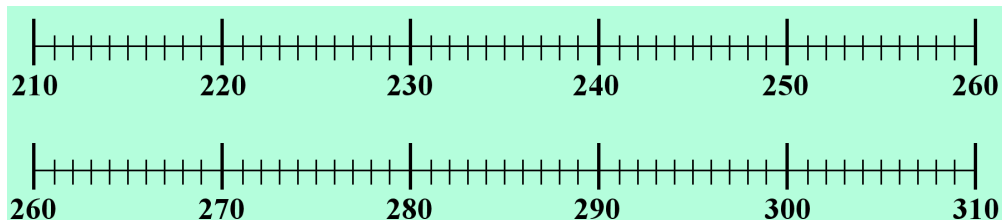
Some numbers get rounded to a multiple of 100, when rounding to the nearest ten

On this number line, you see multiples of ten.

```
  +---+---+---+---+---+---+---+---+---+---+---+
 390 400 410 420 430 440 450 460 470 480 490 500
```
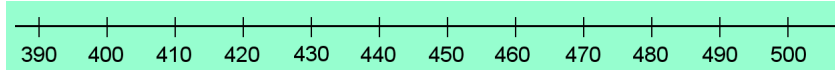
To which of them will 403 get rounded?

That's right, to 400. Even though 400 is a multiple of 100, it is *also* a multiple of ten. It is actually 40 tens.

Where will 495 get rounded to? It is rounded to 500, when rounding to the nearest ten.

(It is also rounded to 500, if you're rounding to the nearest hundred.)

2. Write the previous and the next multiple of ten, then round the number.

a. _470_, 472, _480_, 472 ≈ _____	**b.** _____, 829, _____ 829 ≈ _____	**c.** _____, 514, _____ 514 ≈ _____
d. _____, 317, _____ 317 ≈ _____	**e.** _____, 608, _____ 608 ≈ _____	**f.** _____, 455, _____ 455 ≈ _____

3. Round the numbers to the nearest ten.

a. 602 ≈ _____ 887 ≈ _____	**b.** 396 ≈ _____ 393 ≈ _____	**c.** 804 ≈ _____ 805 ≈ _____	**d.** 106 ≈ _____ 997 ≈ _____

4. Anna earns $38 each week. She wants to buy a bicycle for $130.

  a. Round the amount she earns weekly to the nearest ten.

  b. Now use the rounded number from part (a).

   How much does she earn in two weeks?   In three weeks?

   In how many weeks will she have enough to buy the bicycle?

> **Estimation**
>
> When we use rounded numbers in calculations, that is called estimation.

> Mrs. Spencer, the principal, bought books and notebooks for $547, pencils for $38, and erasers for $31.
>
> We can *estimate* the total cost by rounding these numbers to the nearest ten, and adding: $550 + $40 + $30 = $620. The total cost is about $620.

5. Estimate the total cost.

a. a computer, $296, and desk, $188	**b.** a tennis racket, $123, and balls, $38
computer about $_____	a racket about $_____
desk about $_____	balls about $_____
total cost about $ _____	total cost about $ _____
c. a movie, $29, MP3 player, $99, and pants, $32	**d.** a printer, $65, paper $13, and printer ink $117
total cost about $ _____	total cost about $ _____

6. Round each number to the nearest ten.
   Place each answer in the cross-number puzzle.

Across:

a. 633

b. 796

c. 447

d. 306

Down:

a. 655

b. 819

c. 397

d. 512

e. 911

Add & Subtract 3 (Blue Series)