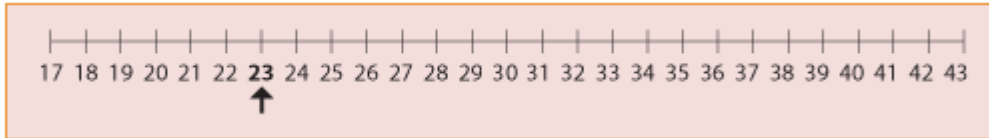


Rounding numbers to the nearest 10

A stick of rock is 23 cm. How long is it to the nearest 10 cm? Look at this number line:

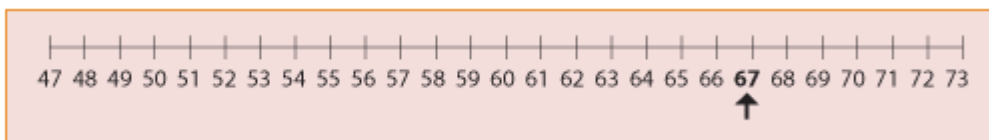


You can see that 23 is **between** 20 and 30, but it's **closer** to 20.

So 23 is **rounded down** to 20.

So the stick of rock is 20 cm long when we round it to the nearest 10 cm.

The height of a book is 67 cm. How high is it to the nearest 10 cm? Look at this number line:



You can see 67 is between 60 and 70, but it's closer to 70.

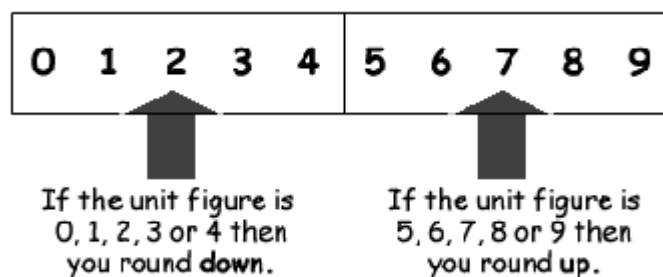
So 67 is **rounded up** to 70.

So the height of the book is 70 cm when we round it to the nearest 10 cm.

But what if we had a stick of rock 35 cm long? 35 is half way between 30 and 40. The rule is that 35 would be **rounded up** to 40.

More examples:

- 87 rounded to the nearest 10 is **rounded up** to 90
- 24 rounded to the nearest 10 is **rounded down** to 20
- 45 rounded to the nearest 10 is **rounded up** to 50



Rules for rounding to the nearest 10:

- 1, 2, 3 and 4 get **rounded down**
- 5, 6, 7, 8 and 9 get **rounded up**