

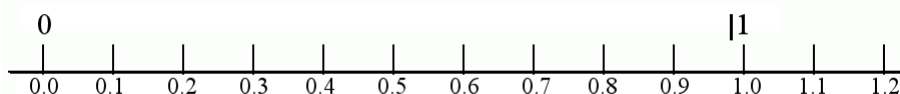
# Rounding to the Nearest Whole Number

1. Which of the decimals

0.1, 0.2, 0.3, ..., 0.8, 0.9

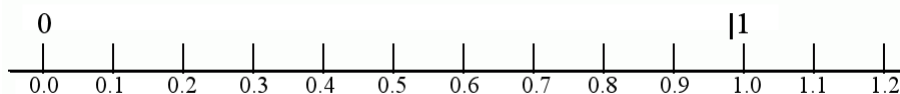
are closer to 0 than to 1?

Which ones are closer to 1?



Which one is as close to 0 as it is to 1?

2. Imagine nine little lines between each of the tenths on the number line.



What numbers would those lines represent?

Which of those are closer to 0 than to 1?

Which are closer to 1?

## Rounding to the nearest whole number

- 1) Look at the first decimal digit - which is right *after* the whole number part.
- 2) If it is 5 or more, you need to round UP to the next whole number. Cut off the decimal digits; change the whole number part by 1.
- 3) If it is 4 or less, you round DOWN to the previous whole number. Cut off the decimal digits; the whole number part won't change.

Look at the digit *after* the whole number:

$$6.\underline{4}8 \approx 6$$

4 → round down.

$$4.\underline{7} \approx 5$$

7 → round up.

$$2.\underline{0}9 \approx 2$$

0 → round down.

3. Round the following decimals to the nearest whole number.

a.  $0.6 \approx$

b.  $0.5 \approx$

c.  $1.7 \approx$

d.  $0.4 \approx$

e.  $10.4 \approx$

f.  $5.3 \approx$

g.  $2.6 \approx$

h.  $3.5 \approx$

i.  $7.8 \approx$

j.  $4.2 \approx$

k.  $0.18 \approx$

l.  $0.51 \approx$

m.  $0.78 \approx$

n.  $2.43 \approx$

o.  $7.24 \approx$

4. Round the following decimals to the nearest whole number.

a.  $4.35 \approx$

b.  $0.65 \approx$

c.  $14.53 \approx$

d.  $11.82 \approx$

e.  $1.02 \approx$

f.  $2.47 \approx$

g.  $2.62 \approx$

h.  $7.7 \approx$

i.  $8.32 \approx$

j.  $4.92 \approx$

k.  $6.08 \approx$

l.  $12.81 \approx$

m.  $4.3 \approx$

n.  $0.5 \approx$

o.  $0.55 \approx$