

# Rounding decimals



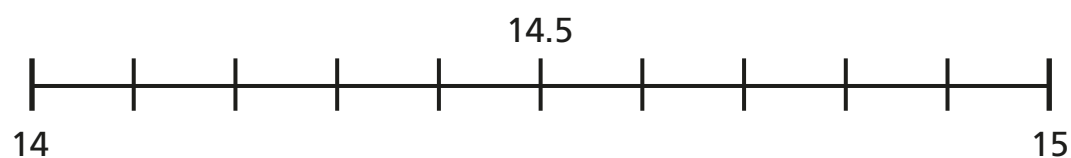
- 1 Show the position of each number on the number line.  
Use the number line to round these decimals to the nearest whole number.

a) 7.2



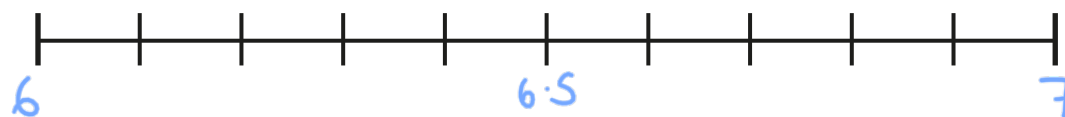
The nearest whole number is 7

b) 14.8



The nearest whole number is 15

c) 6.5

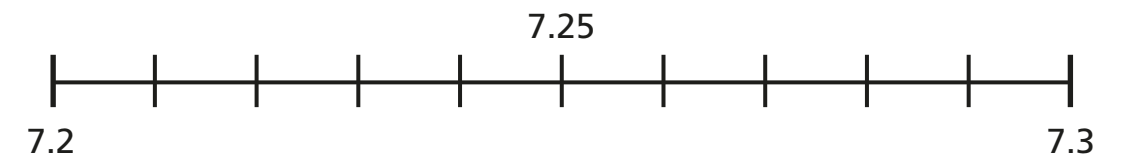


The nearest whole number is 7

Explain to a partner how to round decimal numbers to the nearest whole number.

- 2 Use the number line to round these decimal numbers to the nearest tenth and the nearest whole number.

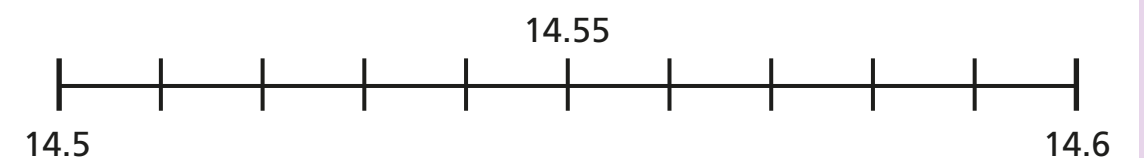
a) 7.23



The nearest tenth is 7.2

The nearest whole number is 7

b) 14.56



The nearest tenth is 14.6

The nearest whole number is 15

c) 6.45



The nearest tenth is 6.5

The nearest whole number is 6

Explain to a partner how to round decimal numbers to one decimal place.



3 a) When rounding to the nearest tenth, how many digits will there be after the decimal point?

b) Round each number to one decimal place.

1.33 <input type="text"/>	4.03 <input type="text"/>
1.34 <input type="text"/>	4.04 <input type="text"/>
1.35 <input type="text"/>	4.05 <input type="text"/>
1.36 <input type="text"/>	4.06 <input type="text"/>
1.37 <input type="text"/>	4.07 <input type="text"/>

4 Round each number to the nearest tenth.

a) 4.21 <input type="text"/>	d) 11.86 <input type="text"/>	g) 12.92 <input type="text"/>
b) 8.09 <input type="text"/>	e) 5.67 <input type="text"/>	h) 10.65 <input type="text"/>
c) 4.84 <input type="text"/>	f) 0.15 <input type="text"/>	

5 Circle each decimal that rounds to 6.2

6.32      6.23      6.27      6.17      6.12      6.25

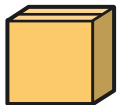

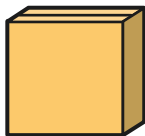
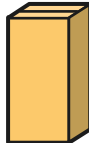
Explain your reasoning.

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6 Here are the weights in kilograms of some parcels.

			
3.48 kg	1.42 kg	10.65 kg	1.03 kg

a) Round the weight of each parcel to 1 decimal place.

kg    kg    kg    kg

b) The weight of each parcel has been rounded to the nearest 100g.

Is this true or false? \_\_\_\_\_

Talk about it with a partner.

7 Amir is thinking of a number.

Rounded to the nearest whole his number is 5

Rounded to the nearest tenth his number is 4.8

Write at least four different numbers that Amir could be thinking of.

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8 A farmer is building a new fence for her sheep field.

Here are the measurements.

125.45 m



89.56 m

She wants to build a fence around the whole field.

Estimate how much fencing you think she will need.

Talk about your estimate with a partner.