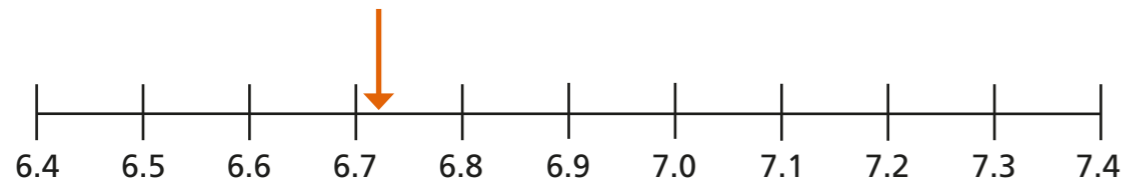


Round numbers to a given number of decimal places

1



a) Which two numbers with 1 decimal place does 6.72 lie between?
Circle your answer.

6 and 7

6.6 and 6.7

6.7 and 6.8

b) What is 6.72 to 1 decimal place? Circle your answer.

6

6.6

6.7

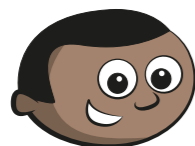
6.8

7

c) Round these numbers to 1 decimal place.
You may use the number line to help you.

6.49	<input type="text"/>	6.98	<input type="text"/>
6.82	<input type="text"/>	7.15	<input type="text"/>

d)



7.143 is between 7.1 and 7.2. 43 is bigger than 5, so 7.143 is 7.2 when rounded to 1 decimal place.

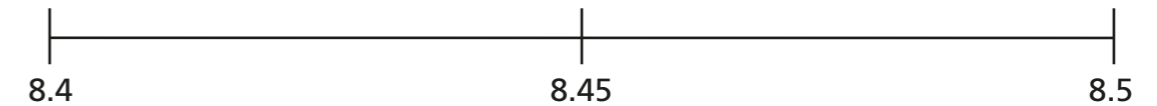
7.1|43

Do you agree with Mo? _____

Explain your answer.

2

a) Draw an arrow to estimate the position of the number 8.416 on the number line.



b) Round 8.416 to 1 decimal place.

c) Round these numbers to 1 decimal place.

8.47	<input type="text"/>	8.4719	<input type="text"/>
8.471	<input type="text"/>	8.47193	<input type="text"/>

d) What do you notice about your answers to part c)?
Why does this happen?

3

Round these numbers to 1 decimal place.

a) 17.14	<input type="text"/>	e) 23.923	<input type="text"/>
b) 23.92	<input type="text"/>	f) 785.058	<input type="text"/>
c) 136.51	<input type="text"/>	g) 0.9238	<input type="text"/>
d) 0.78	<input type="text"/>	h) 0.981287	<input type="text"/>

4

Circle all the numbers that round to 26.5 to 1 decimal place.

26.51 26.517 26.571 26.499

5 Solve the equations. Give your answers to 1 decimal place.

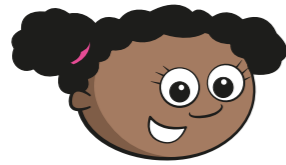
a) $7a = 23$

b) $c^2 = 52$

$a =$

$c =$

6 a)



Rounding to 1 decimal place is the same as rounding to the nearest tenth.

Do you agree with Whitney? _____

Explain your answer.

b) Match the equivalent cards.

round to 1 decimal place

round to the nearest hundredth

round to 3 decimal places

round to the nearest thousandth

round to the nearest integer

round to the nearest one

round to 2 decimal places

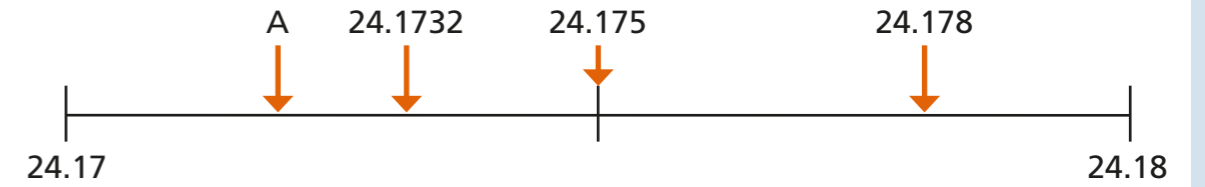
round to the nearest tenth

7 A number rounds to 7.5 to 1 decimal place.

The same number rounds to 8 to the nearest integer.

Write four numbers it could be.

8



Use the number line to complete the sentences.

a) 24.178 rounded to 2 decimal places is

b) 24.1732 rounded to 2 decimal places is

c) 24.175 rounded to 2 decimal places is

d) Point A rounded to 2 decimal places is

e) Point A rounded to 1 decimal place is

9

Complete the table.

Number	Rounded to 1 decimal place	Rounded to 2 decimal places	Rounded to 3 decimal places
0.7259			
8.03561			
23.541982			
$\frac{7}{12}$			
π			

10

Do you agree with each statement?

4.97 rounded to 1 decimal place is 5

Rounding 174.9999 to 1, 2 and 3 decimal places gives the same answer.

