

Today, we will look again at
rounding.

Quiz

1. What is a tens number?
2. What is a hundreds number?
3. What is a thousands number?
4. What is a ten thousands number?
5. What is a hundred thousands number?

Answers

1. It's a number that ends in at least one zero so 70 is a tens number but so are 700, 750, 7430, 7300 and 73000000.
2. A hundreds number will have at least 2 zeros.
3. A thousands number will have at least 3 zeros.
4. A ten thousands number will have at least 4 zeros.
5. A hundredths thousands number will have at least 5 zeros.

This chart might help...

tens numbers	at least 1 zero
hundreds numbers	at least 2 zeros
thousands numbers	at least 3 zeros
ten thousands numbers	at least 4 zeros
hundred thousands numbers	at least 5 zeros

What type of numbers are these?

45,320

30

436,000

340,300

67,0000

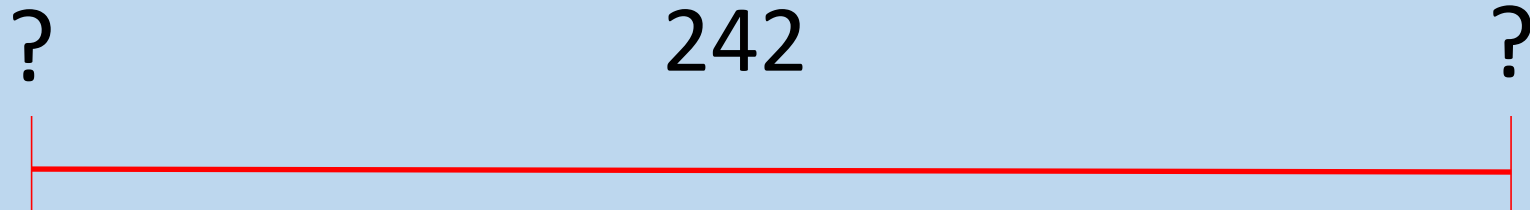
tens numbers	at least 1 zero
hundreds numbers	at least 2 zeros
thousands numbers	at least 3 zeros
ten thousands numbers	at least 4 zeros
hundred thousands numbers	at least 5 zeros

Answers

1. Tens number
2. Tens number
3. Thousands number
4. Hundreds number
5. Ten thousands number

tens numbers	at least 1 zero
hundreds numbers	at least 2 zeros
thousands numbers	at least 3 zeros
ten thousands numbers	at least 4 zeros
hundred thousands numbers	at least 5 zeros

So, if I was wanting to round 242 to the nearest **tens number**, which 2 tens numbers would be my two options?



Hint: these numbers would both end in one zero.

Answer

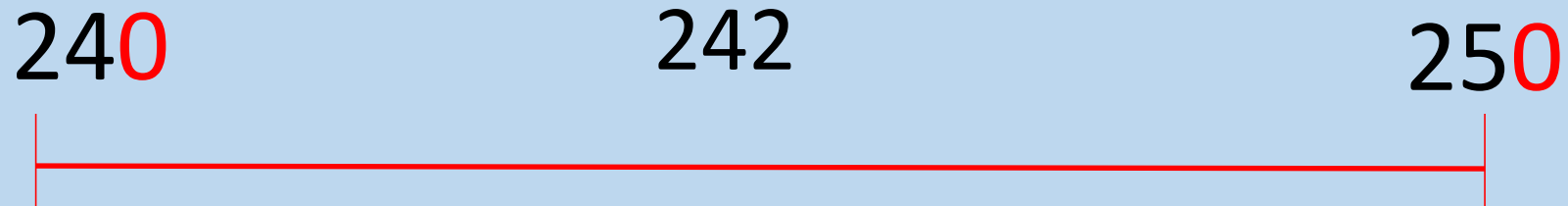
240

242

250



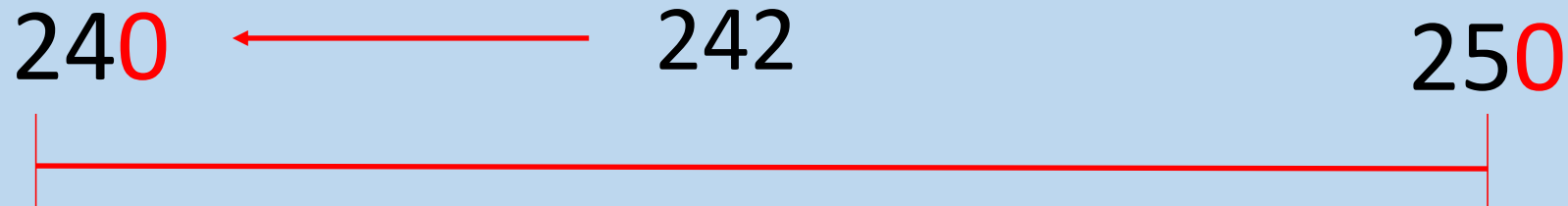
Once you have thought about the 2 possible options, think about which is nearest to 242.



	M	HTh	TTh	Th	H	T	O
nearest 10					2	4	2
nearest 100							
nearest 1,000							
nearest 10,000							
nearest 100,000							

The 2 is less than 5 so the 4 doesn't change.

Answer: 240



Also, 240 is only 2 away from 242 whereas 250 is 8 away.

Look at these numbers and think about the 2 possible choices and then decide which is the nearest.

1. tens numbers to 678.
2. tens numbers to 3,421.
3. hundreds numbers to 843.
4. hundreds numbers to 4,232
5. thousands numbers to 5,655
6. thousands numbers to 41, 444.

Answers

1. tens numbers to 678 (choices are 670 and 680) nearest = 680
2. tens numbers to 3,421 (choices are 3,420 and 3,430) nearest = 3,420
3. hundreds numbers to 843 (choices are 800 and 900) nearest = 800
4. hundreds numbers to 4,232 (choices are 4,200 and 4,300) nearest = 4,200
5. thousands numbers to 5,655 (choices are 5,000 and 6,000) nearest = 6,000
6. thousands numbers to 41, 444 (choices are 41,000 and 42,000) nearest = 41,000

If you are ready, try some independent practice.

1. For each number think about the two possible options either side.
2. Then think about which is closest.
3. Use this chart if it helps...
4. Draw a number line like this if it helps...



	M	HTh	TTh	Th	H	T	O
nearest 10						Yellow	Cyan
nearest 100					Yellow	Cyan	
nearest 1,000				Yellow	Cyan		
nearest 10,000			Yellow	Cyan			
nearest 100,000		Yellow	Cyan				