

RECALL

How many different ways can you
round this number?

2,345,678

help

Use a place value chart.



Answer. Prove. Explain

RECALL

How many different ways can you round this number?

2,345,678

10 → 2,345,680

100 → 2,345,700

1000 → 2,346,000

10,000 → 2,350,000

100,000 → 2,300,000

1,000,000 → 2,000,000

help

Use a place value chart.

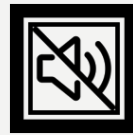


Answer. Prove. Explain

L.O. TO ROUND ANY WHOLE NUMBER TO A REQUIRED DEGREE OF ACCURACY.

- **SOME WILL EVEN:** Be able to identify minimum and maximum numbers that round to a given number.
- **SOME WILL:** Round the same number in various ways.
- **MOST WILL:** Use a number line to help round.
- **ALL WILL:** Identify given place value when rounding.

EXPLORE



I earn £446,222 per week.



I earn £400,000 per week.



a) Round the wage of Mbappe to the nearest 10,000 and 100,000.

b) The wage of Neymar has been rounded to the nearest 100,000.

What is the minimum and maximum wage that he could be on?

help

Use a number line.

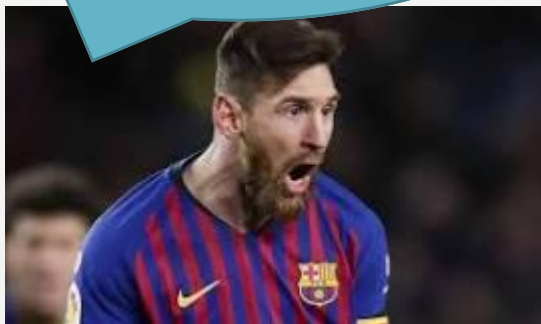


Who earns the most? Answer. Prove. Explain

EXPLORE



I earn £336,333 per week.



I earn £300,000 per week.



a) Round the wage of Messi to the nearest 10,000 and 100,000.

b) The annual wage of Ronaldo has been rounded to the nearest 100,000.

What is the minimum and maximum wage that he could be on?

help

Use a number line.



Who earns the most? Answer. Prove. Explain

ANSWERS...

I earn £336,333 per week.

10,000 → £340,000

100,000 → £300,000



I earn £300,000 per week.

Minimum → £250,000

Maximum → £349,999



a) Round the wage of Messi to the nearest 10,000 and 100,000.

b) The wage of Ronaldo has been rounded to the nearest 100,000.

What is the minimum and maximum wage that he could be on?

help

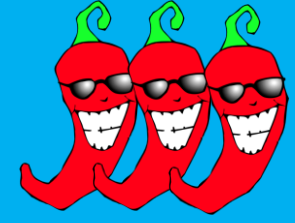
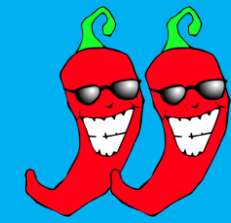
Use a number line.



Who earns the most?

Could be either as Ronaldo could earn more than £336,333 as his wage could be rounded down.

Intelligent Practice



Rounded to the nearest	128,381	1,565,900	72,308
100,000			
10,000			
1,000			
100			
10			



9,999,999

Round this number to the nearest 100, 10,000, 100,000 then 1,000,000



Rounded to the nearest	128,381	1,565,900	72,308
100,000	100,000	1,600,000	100,000
10,000	130,000	1,570,000	70,000
1,000	128,000	1,566,000	72,000
100	128,400	1,565,900	72,300
10	128,380	1,565,900	72,310



999,999

Answer is 10,000,000
in all cases!

Round this number to the nearest 100, 10,000, 100,000 then 1,000,000



DIVE DEEPER 1

Complete the table for the number below.

1)

179,903

Rounded to the nearest...				
100,000	10,000	1,000	100	10

Now do the same for these numbers:

256,345

986,546

3,214,234

2) Which number is the odd one out when rounded to the nearest million? Explain your answer.

1,903,009

2,503,104

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●	●●●●	●●	●●●●●	●●	●●●●	●●

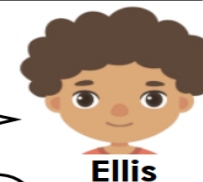
3) Work out which child has which number. Find two possible solutions.

4,509,012

4,513,433

4,499,785

To the nearest hundred thousand, my number rounds to four and a half million.



Ellis

To the nearest million, my number rounds to five million.



Toni

To the nearest ten thousand, my number rounds to 4,510,000.



Saanvi PS



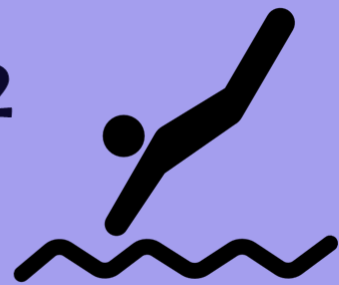
I think that five million, four hundred and ninety five thousand, five hundred and ten rounded to the nearest ten thousand is 5,490,000.

4)



Is he correct? Explain your answer.

DIVE DEEPER 2



2

4

5

7

9

- Use the digit cards to make a number that rounds to 50,000 to the nearest 10,000.
- Now use them to make a different number that rounds to 50,000 to the nearest 1,000.
- Can you use the cards to make a number that rounds to 50,000 to the nearest 100? Explain your answer.

100,000	10,000	1,000	100	10
200,000	180,000	180,000	179,900	179,900
300,000	260,00	256,000	256,300	256,350
1,000,000	990,000	987,000	986,500	986,550
3,200,000	3,210,000	3,214,000	3,214,200	3,214,230

2) 2,503,104 as it rounds to 3,000,000 – the other numbers round to 2,000,000.

3) The children can have the following numbers:

Ellis – 4,509,012 or 4,513,433 or 4,499,785

Toni – 4,509,012 or 4,513,433 or 4,499,785

Saanvi – 4,509,012 or 4,513,433

A solution where each child has a different number is acceptable.

4) Trevan is incorrect because there are 5 thousands which means the number rounds up. His answer should be 5,500,000.



Fifteen cards

I have fifteen cards numbered 1 – 15.

I put down seven of them on the table in a row.



The numbers on the first two cards add to 15.
The numbers on the second and third cards add to 20.
The numbers on the third and fourth cards add to 23.
The numbers on the fourth and fifth cards add to 16.
The numbers on the fifth and sixth cards add to 18.
The numbers on the sixth and seventh cards add to 21.

What are my cards?

Can you find another way of doing it?

