

25.11.24 / XXV.XI.MMXIV

L.O: I can use a ratio table to help me to divide



419.23

The number of the day is _____

What is ten times the size of the number?

What is one hundred times the size of the number?

What is this number rounded to the nearest hundred?

What is the number rounded to the nearest ten?

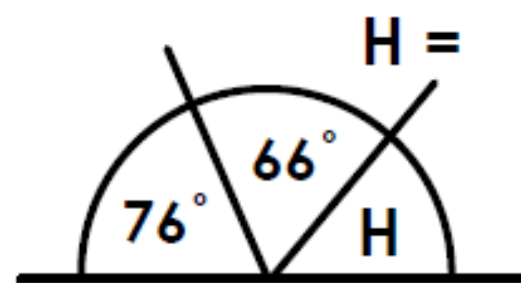
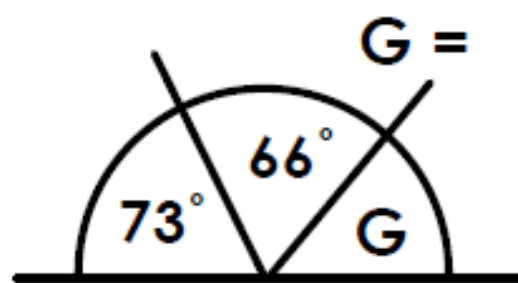
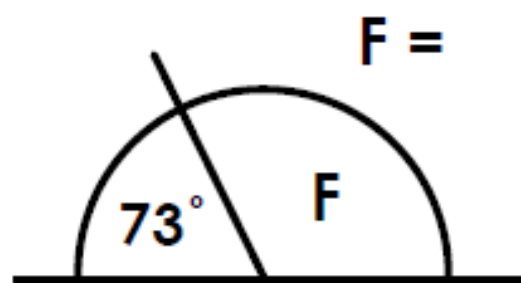
Ten times the size of the number is _____.

One hundred times the size of the number is _____.

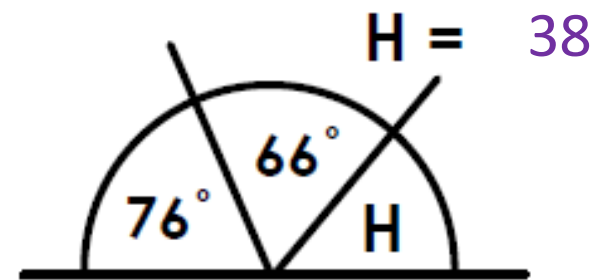
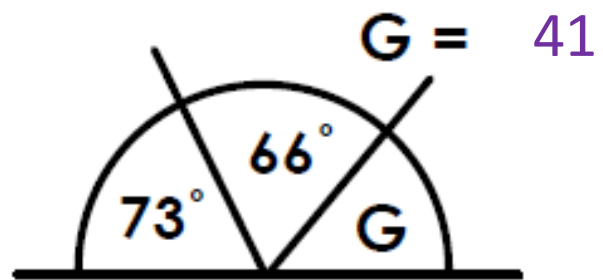
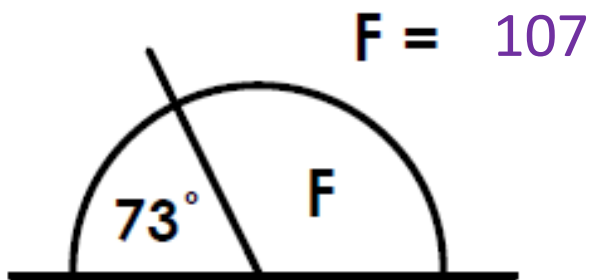
This number rounded to the nearest hundred is _____.

The number rounded to the nearest ten is _____.

Calculate the missing angles:



Calculate the missing angles:



Recap – doubles and halves

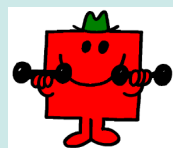
x1	31
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

Today we are going to explore strategies to **efficiently** find multiples of any 2-digit number.

Any thoughts? How could we get started?

We know that 1 lot of 31 is 31 – what else can we quickly work out?

Work with your partner to find as many multiples of 31 as you can. Pay attention to the order that you do this in – we'll be sharing different strategies.



*Most people will just keep adding 31 to get the next multiple. Can you come up with 2 **different** strategies?*

Share strategies

Repeated addition

Doubles/halves

Partition and multiply

Would this strategy work as well for a different factor?
Why does this strategy work?
What patterns do you notice?
What's the same/different about these strategies?



Repeated addition is a slightly dangerous strategy!
If we get **one** multiple wrong, all of the rest will be wrong too.

Paired work:

Work together to create ratio tables for the following factors. Try to avoid just counting on

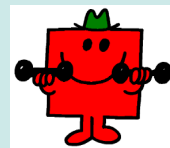
21

33

53

59

44



Could you use a different strategy for each number?
Compare two strategies – what are the pros and cons?
What patterns do you notice?
Can you explain the patterns you have noticed?

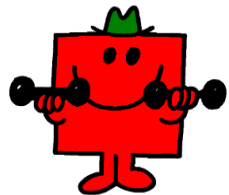
x1	53
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	33
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	21
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	59
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	44
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	



$$689 \div 53 =$$

$$957 \div 33 =$$

$$987 \div 21 =$$

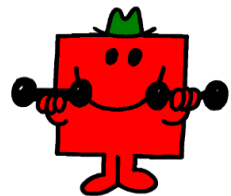
x1	53
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	33
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	21
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	59
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	

x1	44
x2	
x3	
x4	
x5	
x6	
x7	
x8	
x9	
x10	



$$689 \div 53 = 13$$

$$957 \div 33 = 29$$

$$987 \div 21 = 47$$