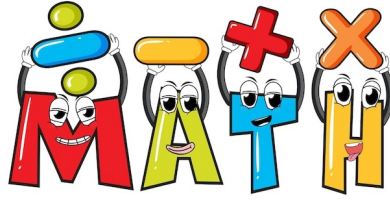Name:_____ Section: _____

Homework

This week we will continue Chapter 10.
Complete homework daily based on the schedule provided below. Please do not work ahead on homework assignments. Failure to complete homework will result in points deducted.
Scholars will complete HMH Diagnostic Test on Wednesday, January 31st.
Scholars will complete a quiz on Friday, February 2nd

Reminders
Please have your child use Reflex Math to master and reinforce their fact fluency. The 3rd Grade curriculum depends on a strong foundation in multiplication and division facts.

Extra Practice

Additional practice for the daily lesson is available on HMH. To access login in into HMH, go to assigned lessons. There you can find the assigned lessons for extra practice. Scholars can also review daily lesson on Archimedean Cinemath, under section 3A for all sections.

Notes:

You can find all Divisibility Rules and examples in this packet
You can find all IXL lessons assigned (From your teacher)
 Please feel free to contact me with any questions or concerns at diana.charaf@archimedean.org.

Monday, January 29th   – Lessons **V6H** and **VEV** on IXL

Tuesday, January 30th   – Lessons **D82** and **G.1(4th grade)** on IXL

Wednesday, January 31st   – Lessons **G.5(4th grade)** and **G.6(4th grade)** on IXL

Thursday, February 1st   _ Lessons **G.2(4th grade)** and **L.1(4th grade)** on IXL

Friday, February 2nd   _Lessons **G.3(4th grade)** and **G.4(4th grade)** on IXL

Divisibility rules

What is divisibility?

If you can divide two numbers without a remainder, then the first number is **divisible** by the second.

For example, 12 is divisible by 2.

$$12 \div 2 = 6$$

But 12 is not divisible by 5. When you divide 12 by 5, you get a remainder.

$$12 \div 5 = 2 \text{ R}2$$

> 💡 **Tip**
>
> A number will always be divisible by its [factors](). Since 2 is a factor of 12, we know 12 is divisible by 2.

Divisibility rules

Divisibility rules can help you easily decide if a number is divisible by another number. This table shows some common divisibility rules.

2	A number is divisible by 2 if its ones digit is 0, 2, 4, 6, or 8.
3	A number is divisible by 3 if the sum of its digits is divisible by 3.
4	A number is divisible by 4 if the number formed by its last 2 digits is divisible by 4.
5	A number is divisible by 5 if its ones digit is 0 or 5.
6	A number is divisible by 6 if it is divisible by both 2 and 3.
8	A number is divisible by 8 if the number formed by its last 3 digits is divisible by 8.
9	A number is divisible by 9 if the sum of its digits is divisible by 9.
10	A number is divisible by 10 if its ones digit is 0.

Try it! See the examples below.

Divisibility by 2

A number is divisible by 2 if its ones digit is 0, 2, 4, 6, or 8.

Is 346 divisible by **2**?

- The ones digit in 346 is 6.
- So, 346 is divisible by 2.

Is 223 divisible by **2**?

- The ones digit in 223 is 3.
- So, 223 is not divisible by 2.

Divisibility by 3

A number is divisible by 3 if the sum of its digits is divisible by 3.

Is 324 divisible by **3**?

- Add the digits. 3 + 2 + 4 = 9
- Since 9 is divisible by 3, we know 324 is divisible by 3.

Is 412 divisible by **3**?

- Add the digits. 4 + 1 + 2 = 7

- Since 7 is not divisible by 3, we know 412 is not divisible by 3.

Divisibility by 4

A number is divisible by 4 if the number formed by its last 2 digits is divisible by 4.

Is 536 divisible by **4**?

- The last 2 digits of 536 form the number 36.

- Since 36 is divisible by 4, we know 536 is divisible by 4.

Is 247 divisible by **4**?

- The last 2 digits of 247 form the number 47.

- Since 47 is not divisible by 4, we know 247 is not divisible by 4.

Divisibility by 5

A number is divisible by 5 if its ones digit is 0 or 5.

Is 635 divisible by **5**?

- The ones digit in 635 is 5.

- So, 635 is divisible by 5.

Is 513 divisible by **5**?

- The ones digit in 513 is 3.

- So, 513 is not divisible by 5.

Divisibility by 6

A number is divisible by 6 if it is divisible by both 2 and 3.

Is 348 divisible by **6**?

- 348 is even, so it is divisible by 2.

- Add the digits. Since 3 + 4 + 8 = 15, it is divisible by 3.

- Since 348 is divisible by both 2 and 3, it is also divisible by 6.

Is 212 divisible by **6**?

- 212 is even, so it is divisible by 2.

- Add the digits. Since 2 + 1 + 2 = 5, it is not divisible by 3.

- So, 212 is not divisible by 6.

Divisibility by 8

A number is divisible by 8 if the number formed by its last 3 digits is divisible by 8.

Is 1,016 divisible by **8**?

- The last 3 digits form the number 016, or 16.

- 16 is divisible by 8, so 1,016 is divisible by 8.

Is 1,231 divisible by **8**?

- The last 3 digits form the number 231.

- 231 is not divisible by 8, so 1,231 is not divisible by 8.

Divisibility by 9

A number is divisible by 9 if the sum of its digits is divisible by 9.

Is 675 divisible by **9**?

- Add the digits. 6 + 7 + 5 = 18

- 18 is divisible by 9, so 675 is divisible by 9.

Is 364 divisible by **9**?

- Add the digits. 3 + 6 + 4 = 13

- 13 is not divisible by 9, so 364 is not divisible by 9.

Divisibility by 10

A number is divisible by 10 if its ones digit is 0.

Is 420 divisible by **10**?

- The ones digit in 420 is 0.

- So, 420 is divisible by 10.

Is 317 divisible by **10**?

- The ones digit in 317 is 7.

- So, 317 is not divisible by 10.