Homework
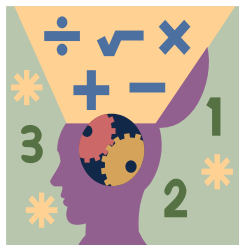
Greetings Scholar and Parents. Hope you are all comfortably settled into the new year. This week we will be working on **Chapter 12 – Algebra & Expressions.** Remember to check **CINEMATH** for reviews! You will have a **TEST** this week on **Wednesday, November 13th,** on **All Fraction Operations**

Extra Practice – OPTIONAL THIS WEEK

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **"FROM YOUR TEACHER"** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Add 3 fractions or mixed numbers using properties of addition (NQY)
- Write numerical expressions for word problems (NF5)
- Write numerical expressions: two operations (8ME)
- Evaluate numerical expressions involving decimals (DU9)
- Evaluate numerical expressions with parentheses in different places (9F5)
- Identify mistakes involving the order of operations (JLJ)

Notes

Completed homework packets should be uploaded or turned in on **Sunday November 17th, 2024**. Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at peter.vanegas@archimedean.org.

Monday	November 11th	– VETERANS' DAY – NO SCHOOL
Tuesday	November 12th	– 12.1
Wednesday	November 13th	– **TEST DAY**
Thursday	November 14th	– 12.2
Friday	November 15th	– 12.3

Properties

Use properties to find the sum or product.

1. 6×8.9
$6 \times (9 - 0.1)$
$(6 \times 9) - (6 \times 0.1)$
$54 - 0.6$

_____ **53.4** _____

2. $93 + (68 + 7)$

_____

3. $\frac{1}{4} \times \frac{2}{3} \times \frac{4}{3}$

_____

4. 8×51

_____

5. $34 + 0 + 18 + 26$

_____

6. 6×107

_____

Complete the equation, and tell which property you used.

7. $(3 \times 10) \times 8 =$ _____ $\times (10 \times 8)$

_____

_____

8. $1.6 + 3.1 = 3.1 +$ _____

_____

_____

Problem Solving Real World

9. The Metro Theater has 20 rows of seats with 18 seats in each row. Tickets cost $5. The theater's income in dollars if all seats are sold is $(20 \times 18) \times 5$. Use properties to find the total income.

_____

10. The numbers of students in the four sixth-grade classes at Northside School are 26, 19, 34, and 21. Use properties to find the total number of students in the four classes.

_____

Lesson Check

12. To find $\frac{1}{9} + (\frac{3}{9} + \frac{8}{9})$, Lennie added $\frac{1}{9}$ and $\frac{8}{9}$. Then he added $\frac{3}{9}$ to the sum. What properties did he use?

_____

_____

13. Marita did 65 sit-ups each day for one week. Use the Distributive Property to show an expression you can use to find the total number of sit-ups Marita did during the week.

_____

_____

Write Numerical Expressions

Go Online

Interactive Examples

Write an expression to match the words.

1. Ethan collected 16 seashells. He lost 4 of them while walking home.

_____

2. Yasmine bought 4 bracelets. Each bracelet cost $3.65.

_____

3. Amani did 100 jumping jacks. She did $\frac{2}{5}$ as many pushups as jumping jacks.

_____

4. Darryl has a board that is 8.4 feet long. He cuts it into pieces that are each 2 feet long.

_____

Write words to match the expression.

5. $3 + (4 \times 2.25)$

_____

_____

_____

6. $36 \div \frac{1}{4}$

_____

_____

_____

7. $24 - (6 + 3)$

_____

_____

_____

Problem Solving Real World

8. Kylie has 14 polished stones. Her friend has $\frac{1}{2}$ as many stones. Write an expression to match the words.

_____

9. Rashad had 25 stamps. He shared them equally among himself and 4 friends. Then Rashad found 2 more stamps in his pocket. Write an expression to match the words.

_____

Lesson Check

11. Jenna bought 3 packs of bottled water, with 8 bottles in each pack. Then she gave 6 bottles away. Write an expression to match the words.

_____

12. Stephen had 24 miniature cars. He gave 4 cars to his brother. Then he passed the rest of the cars out equally among 4 of his friends. Which operation would you use to represent the first part of this situation?

_____

Evaluate Numerical Expressions

Evaluate the numerical expression.

1. $24 \times 5 - 41$
   $120 - 41$

   79

2. $(32 - 20) \div 4$

3. $16 \div (2 + 6)$

4. $27 + 36 \times \dfrac{1}{12}$

Rewrite the expression with parentheses to equal the given value.

5. $3 \times 4 - 1 + 2$

   value: 11

6. $2 \times 6 \div 2 + 1$

   value: 4

7. $5 + 3 \times 2 - 6$

   value: 10

Problem Solving Real World

8. Chase has several pitchers to hold lemonade for the school bake sale. Two pitchers can hold 64 ounces each, and four pitchers can hold 48 ounces each. How many total ounces can Chase's pitchers hold?

9. At the bake sale, Jonah sold 4 cakes for $8.25 each and 36 muffins for $2.50 each. What was the total amount, in dollars, that Jonah received from these sales?

Lesson Check

11. What is the value of the expression $4 \times (4 - 2) + 2.2$?

12. Lannie ordered 12 copies of the same book for his book club members. The books cost $19 each, and the order has a $15 shipping charge. What is the total cost of Lannie's order?