

Holy Name of Jesus School
Summer Reading, English/Writing, Math (Accelerated or Academic), Science Fair and National History Day Work
Students entering Grade 8 - 2022/2023 School Year

READING: BOOK BINGO

Students will read four to five books of their choice and complete BINGO. A short assignment follows the completion of each book. Please see the included BOOK BINGO details/instructions.

NATIONAL HISTORY DAY 2022/23: Frontiers in History: People, Places Ideas

Please see the included worksheet to begin choosing a topic for this year's theme.

ENGLISH/WRITING: Summer English Review: Grammar, Usage, and Mechanics and Writing Sample

Please see the included English Review Worksheets and Writing Sample for completion.

Math:

ACCELERATED - Please see the included 3 page packet.

ACADEMIC: - Please see the included 6 page packet.

Science Fair: (Optional) - Students are to bring an index card with their science fair topic on the first day of school. Pages are attached to show how to complete the index card and the science fair due dates.

HNJ 7th and 8th Grade Summer Reading

How Bingo Works:

- You **must** complete one row of bingo this to be counted for your summer assignment.
- Bingo is either horizontal, vertical or diagonal.
- The book can either be an e-book or a physical copy of the book.
- You can only use ONE book for each column even if it can fit more than one spot.
- You can reread a book for fun but not for bingo
- There will be a short assignment for each book you read. This will be located on the HNJ website. You MUST use your HNJ email when submitting the assignment.
- Miss Beeghley and Mrs. Martinelli will be checking the assignment over the summer.
- **DO NOT READ:**
 - *Roll of Thunder, Hear My Cry* by Mildred D. Taylor
 - *The Giver* by Lois Lowery
 - *The Outsiders* by S.E. Hinton
 - *Where the Red Fern Grows* by Wilson Rawls

Enjoy reading!

Love, Miss Beeghley and Mrs. Martinelli :)

B

I

N

G

D

A sequel or
next part of
a series

Nominated
for an
award

Takes
place in
summer

Set on a
non-Earth
place

Has non-
human
characters

A book of
short
stories

Recommen-
ded to you

Any
nonfiction
book

Has 500+
pages

A classic
novel

Published in
the year
you were
born

A graphic
novel

**FREE
SPACE**

Set in
another
country

Turned into
a movie or
TV show

Has a
number in
the title

Set at a
school

Has a one-
word title

A book of
poems

Mystery
with a teen
detective

Any sports
related
novel

A novel
written in
verse or a
book of
poems

A book
outside of
your
comfort
zone

Historical
fiction

Fantasy
fiction

Reading Assignment

First and Last Name _____

Book Category for Bingo: _____

Title and author of the book: _____

In 3-5 sentences, describe one major theme of the novel: _____

On a scale of 1 to 5, would you recommend this book to a friend? (1 is you would not and 5 is you would) _____

Name _____

NATIONAL HISTORY DAY: Frontiers in History: People, Places, Ideas

The Merriam-Webster Dictionary defines a **frontier** as a border between two countries; a region that forms the margin of a settled territory; the outer limits of knowledge or achievement.

In your own words and in 3 to 5 complete sentences, discuss each of the ways a frontier could be highlighted in history:

1. A frontier as an area thought to be an uncharted territory (ocean, space land): _____

2. A frontier as an undeveloped field of study: _____

3. A frontier that challenges the conventional ways of thinking: _____

4. A frontier that pushes the boundaries in science, technology, and medicine: _____

5. A frontier that explores the work of individuals or groups that have thought of new ways of organizing human life through economics, religion, the arts, politics, and transportation: _____

From your examples, now give two detailed and narrowed down topics that would be acceptable for an exhibit, documentary, website, performance, paper, etc.

(ex: medical teams pioneered the process of transplanting organs. How did complex procedures help extend the lives of people suffering from particular ailments? What innovations were needed to help these patients after successful transplants?) :

1. _____

2.

***Remember to question time and place, cause and effect, change over time, and impact and significance. What factors contributed to the development of a frontier? Why did it emerge, and how did it change, when did it cease to be a frontier?, What impact did it have on the people who experienced it, and how did they affect it?

Name _____

English Review and Writing Sample

Part I - Mechanics Assessment

Directions: Please rewrite each of the following with correct punctuation and capitalization. Do not add, remove, or switch around any words. Carefully proofread your work when finished. If these answers are not written legibly, your first outdoor recesses will be study sessions for the assignment to be completed correctly.

1. a friend named john said I am glad I dont need any help on my homework

2. that new student paula is from south africa she told me she had never seen the star wars movie in that country **Note: Don't place a comma or a period after "africa."**

3. she saw pictures of the costumes robots and ship models in the newswk article the one that featured space camp **Note: Don't place a comma or colon after "article."**

4. yes you should listen to that song called the one monsters howl sometime before halloween

5. bring both girls best dresses to atlanta georgia to see the play titled fiddler on the roof

Name _____

Directions: Rewrite each of the following with correct punctuation and capitalization. Do not add, remove, or switch around any words. Carefully proofread your work when finished.

6. joe please read these chapters knots and cooking to prepare for the boy scouts meeting tonight

7. mr wong put on his glasses and then he read the magazine article titled my dog spoke english

8. dear mary

what a complete surprise no one had read the short story titled yankees and rebels
about the civil war the whole messy story was sad depressing and true

yours truly

amy

Part 6: Choosing the Correct Usage

For each sentence, write the correct form from the pair of words or phrases in parentheses.

31. Everyone (accept, except) me arrived at the game on time.

32. I hadn't (ever, never) been late for a game before.

33. The reason I was late is (because, that) my uniform was still in the washing machine.

34. (Beside, Besides) that, I couldn't find my sneakers.

35. I suppose I'm (kind of, somewhat) disorganized.

36. (There, Their) are several things I need to do to get organized.

37. My friend Nick is having a good (affect, effect) on me.

38. His personality is very different (from, than) mine.

39. He's very organized at school, and he's organized at home, (to, too).

40. He's helping me schedule my time so that I don't get into any (farther, further) trouble with the coach.

Part 7: Using Irregular and Troublesome Verbs

For each sentence, choose the correct verb form in parentheses.

41. I (saw, seen) a great video last night.

42. After she (did, done) her homework, Haley called a friend.

43. We arrived five minutes after the movie had (began, begun).

44. My dad said that the game I wanted (cost, costed) too much.

45. We (bayed, bought) a cheaper one instead.

46. My dad is trying to (learn, teach) me to save my own money.

47. Yesterday he (says, said) that I (ain't, am not) responsible with my money.

Name _____

48. He already (raised, rose) my allowance once this year.

49. I guess I (should of, should have) saved the extra money.

50. I'll just have to (sit, set) at home tonight, instead of going out to the movies.

Part 8: Using Pronouns

Choose the correct pronoun from each pair in parentheses.

51. Rosa and (she, her) are both running for class president.

52. For (who, whom) will you vote?

53. (Its, It's) hard to choose the best candidate.

54. I told Kyle and (he, him) to run for vice president.

55. I think that the best candidates are Shawna and (she, her).

56. Whose speech did you like better, Kyle's or (her's, hers)?

57. (Who, Whom) will do the best job on the student council?

58. If the job were (yours, your's), what would you do?

59. Ben made posters with Rosa and (I, me).

60. (Who, Whom) did you ask to put up the posters?

Part 9: Making Words Agree

For each sentence, choose the correct verb or pronoun in parentheses. Verbs should agree with their subjects, and pronouns should agree with their antecedents.

61. Each of the girls (is, are) finishing (her, their) science project.

62. Danny and Chad (is, are) working together on (his, their) project.

63. Emma knows that (she, you) must work very hard to win a prize.

64. (Here's, Here are) the materials we need to make our weather station.

65. Working quietly in the corner (is, are) the girls who won the competition last year.

66. Either Danny or Chad (was, were) working after school yesterday.

67. One of the boys (needs, need) to improve (his, their) grades.

68. Some of the students (is, are) using (his or her, their) computers to do research.

69. (There's, There are) very strict rules for the competition.

70. Neither parents nor teachers (is, are) allowed to help.

Part 10: Using Modifiers

Choose the correct form of the modifiers in parentheses.

71. Jake swims (faster, more faster) than Ben.

72. Jamahl is the (best, bestest) swimmer on the team.

73. He swims faster than (anyone, anyone else) on the team.

74. Alberto is the (better, best) of those two divers.

75. He does the (difficultest, most difficult) dives in the whole competition.

76. That diving board is (higher, more higher) than this one.

77. Tyler practices his dives more than (any, any other) diver.

78. He makes (less, fewer) mistakes than I do.

79. I dive very (good, well), but he usually does (better, more better) at competitions.

80. I felt (bad, badly) when I didn't win a medal, but I will be (relaxeder, more relaxed) at the next competition.

Name _____

Writing Sample

Using complete sentences and proper punctuation and capitalization, please write a good paragraph (no, I'm not going to tell you how many sentences) telling me something that you want me to know about you.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears slightly aged or off-white. There is no handwriting or other markings on the page.

8th Math Accelerated

Pre-Course Test

WHOLE NUMBER OPERATIONS

Solve.

1. $548 - 485$ 2. 29×17
3. $774 \div 18$

ADD AND SUBTRACT DECIMALS

Add or subtract.

4. $34.26 + 25.7$ 5. $24.8 - 6.23$

MULTIPLY DECIMALS

Multiply.

6. 3.4×0.7 7. 5.3×2.4

DIVIDE DECIMALS

Divide.

8. $18.9 \div 7$ 9. $0.85 \div 0.5$

MULTIPLY AND DIVIDE FRACTIONS

Multiply or divide. Give your answer in simplest form.

10. $\frac{3}{8} \times \frac{4}{6}$ 11. $\frac{7}{10} \div 7$

ADD AND SUBTRACT FRACTIONS

Add or subtract. Give your answer in simplest form.

12. $\frac{4}{5} + \frac{7}{10}$ 13. $1\frac{3}{7} - \frac{5}{7}$

ADD AND SUBTRACT INTEGERS

Perform each indicated operation.

14. $-63 + 47$ 15. $-21 - (-33)$

MULTIPLY AND DIVIDE INTEGERS

Perform each indicated operation.

16. $16(-3)$ 17. $-42 \div (-7)$

FRACTIONS, DECIMALS, AND PERCENTS

For each problem, write an equivalent decimal and percent.

18. $\frac{3}{20}$ 19. $\frac{11}{8}$

ORDER OF OPERATIONS

Evaluate each expression.

20. $16 + 4 \div 4$ 21. $5 + 4 \times 3^2$

DISTRIBUTIVE PROPERTY

Simplify each expression.

22. $6(14 + t)$ 23. $(h - 7)8$

RATES AND UNIT RATES

Find each unit rate.

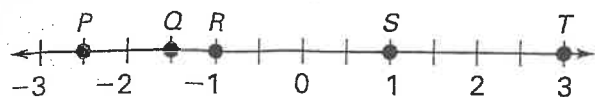
24. \$33 for 6 sandwiches
25. 98 photos in 7 days

CONNECT WORDS AND ALGEBRA

26. Eloise has collected \$195 for charity. Each week she will collect an additional \$15. Write an equation representing the total amount t (in dollars) that Eloise will have collected after w weeks.

GRAPH NUMBERS ON A NUMBER LINE

Identify each number on the number line.



27. 3

28. -1.5

29. -2.5

COMPARE AND ORDER REAL NUMBERS

Compare. Use $<$, $>$, or $=$.

30. $\frac{8}{15}$ $\frac{3}{5}$

31. 30% $\frac{0.030}{100}$

32. $\frac{8}{20}$ $\frac{40}{100}$

EVALUATE EXPRESSIONS

Evaluate each expression for the given value of the variable.

33. $6g - 15$ for $g = 7$

34. $13 + \frac{3}{4}d$ for $d = -8$

SOLVE ONE-STEP EQUATIONS

Solve.

35. $6t = 144$

36. $18 + u = -8$

COMBINE LIKE TERMS

Combine like terms to simplify each expression.

37. $4c^2 - 23 + 5c^2$

38. $-4h + 5j - 4j + 7h$

SOLVE MULTI-STEP EQUATIONS

Solve.

39. $3y + 13 = 40$

40. $4(w - 3) - 6 = 42$

SOLVE PROPORTIONS

Solve each proportion.

41. $\frac{3}{5} = \frac{r}{15}$

42. $\frac{9}{18} = \frac{6}{q}$

FUNCTION TABLES

Generate ordered pairs for each function for $x = -2, -1, 0, 1, 2$.

43. $y = 3x + 7$

44. $y = (x - 3)^2$

ORDERED PAIRS

Identify each point on the coordinate grid.

45. $D(-1, 3)$

46. $E(4, 0)$

plot on attached graph paper

GRAPH LINEAR FUNCTIONS

Graph each function.

47. $y = x + 4$

48. $y = -\frac{1}{2}x + \frac{1}{2}$

graph on attached graph paper

SOLVE AND GRAPH INEQUALITIES

Solve and graph each inequality.

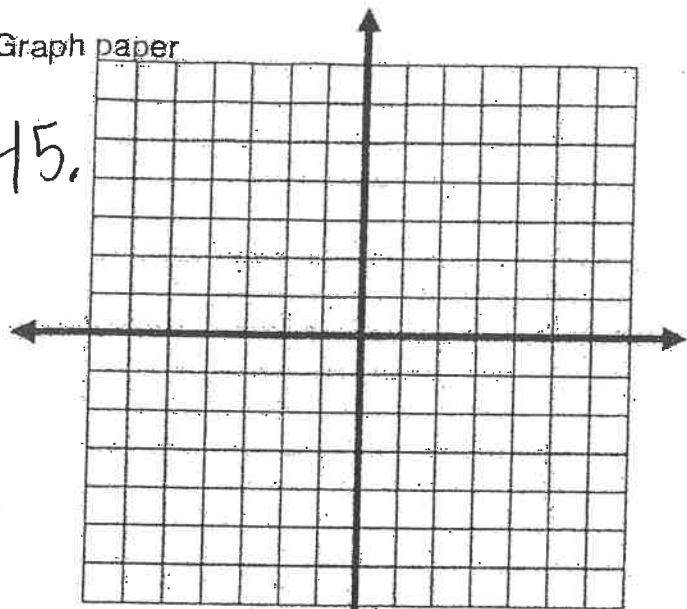
49. $q - 5 \leq -2$

50. $-3g < 12$

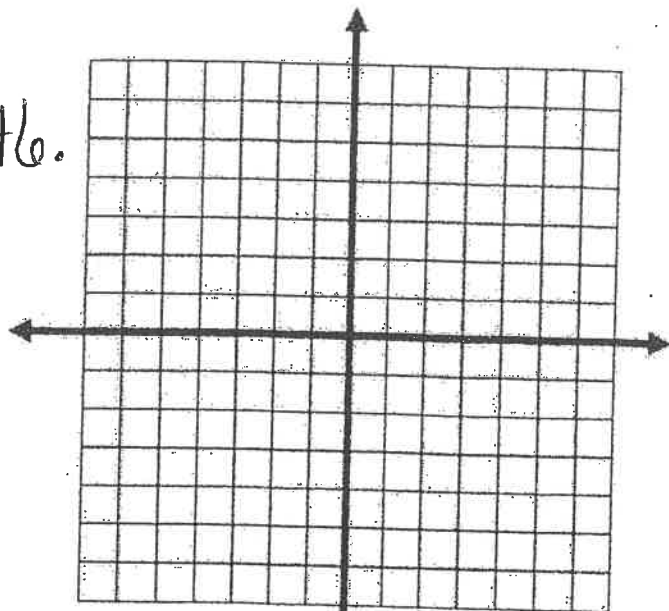
graph on attached graph paper

Graph paper

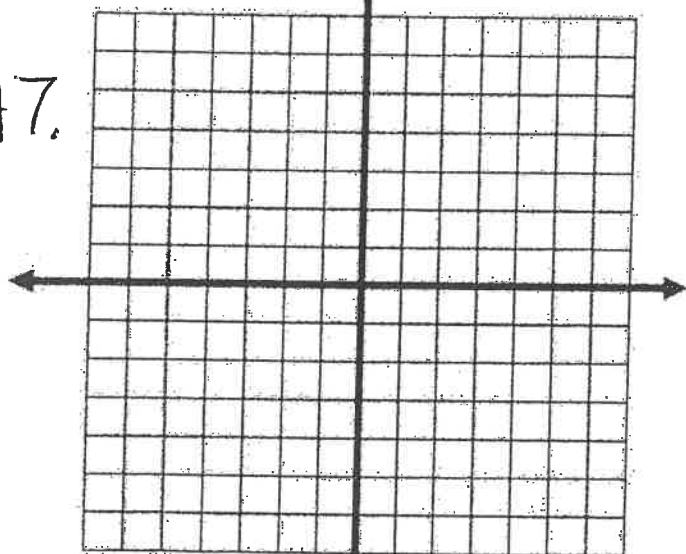
45.



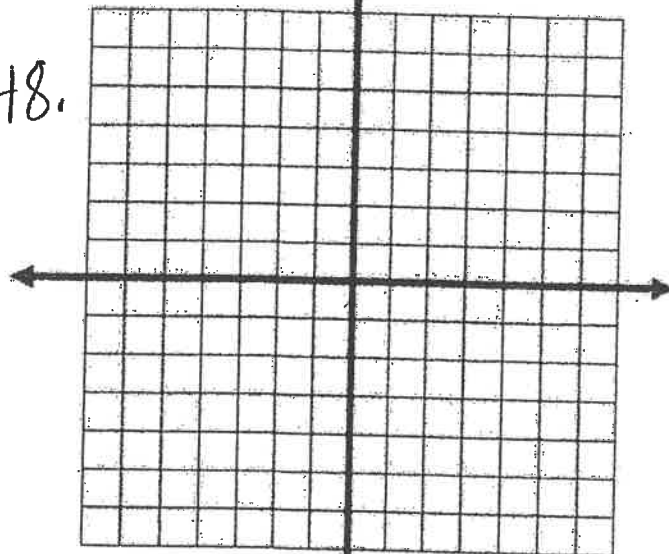
46.



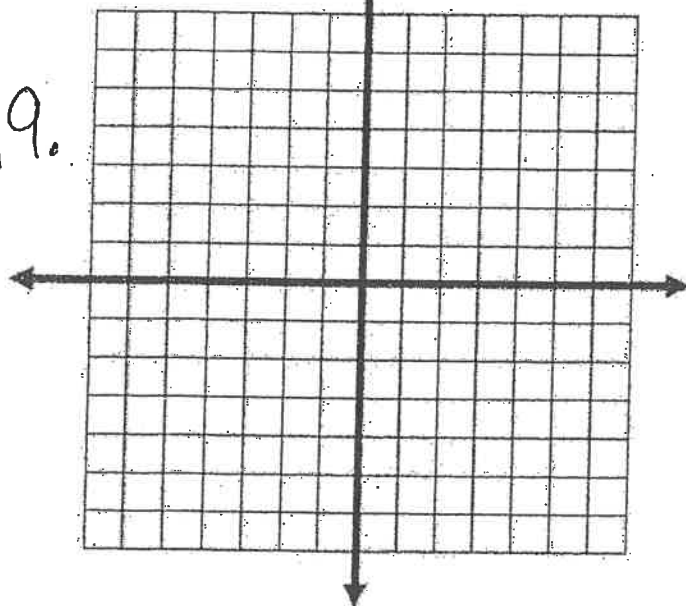
47.



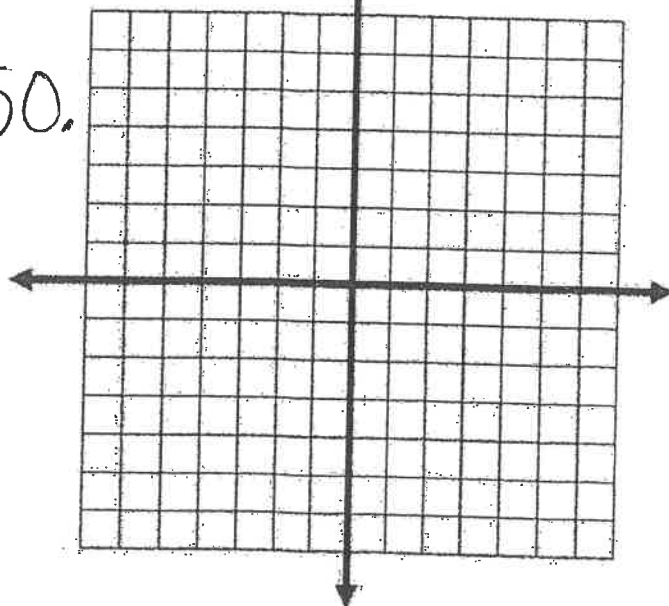
48.



49.



50.



Name _____

GRADE 8 Academic

Directions: Put all your work on loose leaf and attach to your answers. This assignment is due the FIRST day of school.

1. What is a solution for the equation $n - 45 = 12$?

2. Solve $n + 342 = 500$.

3. Solve $12x = 108$.

4. Solve $147 \div n = 21$.

5. Evaluate $5 + 3 \cdot 4$.

6. Simplify the expression $(5 \div 5) + 5 \times (5^2 - 5)$.

7. Simplify the expression $96 \div 6 - 4 \div 2$.

8. Simplify the expression $2 \times 6^2 - 26 \div 2$.

9. Simplify the expression $222 - 3(5^2 - 4^2) + 12$.

10. $1,000,000 \times 1 = 1,000,000$ is an example of which property?

11. Tyrell took 12 days to read x books. What is an algebraic expression to show how long he took to read 1 book?

12. Which property is represented?
 $23 + 19 = 19 + 23$

13. Evaluate $r + 2$ for $r = 5$.

14. Evaluate $3p - 5q$ for $p = 4$ and $q = 2$.

15. Simplify $x^2 + 3x^2 + 3x^2 - 4x^2$.

16. Solve: $g - 25 = 52$

17. $1,000,000 \times 1 = 1,000,000$ is an example of which property?

18. $12 + (9 + 4) = (12 + 9) + 4$ is an example of which property?

19. Which property is shown?
 $34(5) = 30 \times 5 + 4 \times 5$

20. Evaluate $g^2 + 11$ when $g = 11$

21. $444 + 555 = 555 + 444$ is an example of which property?

22. $cd = dc$ is an example of which property?

23. Simplify $2y^3 - 3y^3 + 3y^3 - 4y^3$

24. Evaluate $\frac{q}{3} + 13$ for $q = 21$.

25. Evaluate $4x^2 + 2x - 1$ for $x = 9$.

26. Evaluate $16a - b$ for $a = 3$ and $b = 2$.

27. Write "the product of 3 and a number" as an algebraic expression.

28. Evaluate $5p^2 \div 4q$ for $p = 4$ and $q = 2$.

29. Evaluate $\frac{55}{n} + 7m$ for $n = 5$ and $m = 11$.

30. Evaluate $12n \div m + m$ for $n = 3$ and $m = 2$.

31. Which phrase represents $9p - 4$?

- A the difference between 9 times a number and 4
- B 9 times the difference between a number and 4
- C the difference between 4 and 9 times a number
- D 4 times the a number minus 9

32. Which expression is equal to "the quotient of a number and 8"?

- F $n \div 8$
- G $n \times 8$
- H $n - 8$
- J $n + 8$

33. Which expression is equal to "a number decreased by 7"?

- A $7n$
- B $n - 7$
- C $7 - n$
- D $\frac{n}{7}$

34. Which expression is equal to "the sum of 7 times a number and 4"?

- F $7(n + 4)$
- G $7 + n \times 4$
- H $7n + 4$
- J $4n + 7$

35. Which expression is equal to "7 times the sum of a number and 4"?

- A $7(n + 4)$
- B $7 + n \times 4$
- C $7n + 4$
- D $4n + 7$

36. Simplify $4b^3 - 1b + 2b + 2b^3 + 2b$.

37. Hendrick makes birdhouses. It takes him 35 minutes to make a birdhouse. What is an expression that shows how long it takes him to make t birdhouses?
-

38. Simplify $2(x^2 + 3y) + x + y$.

39. Which number is greater than $-\frac{3}{8}$?

A -0.01 C -2.67
B -0.382 D -1.31

40. Which expression is equal to "6 less than the product of n and 15"?

F $15 + n - 9$ H $15n - 6$
G $6 - n \div 9$ J $6 - 15n$

41. Evaluate $\frac{15}{u} + 7v$ when $u = 3$ and $v = 5$.
-

42. Find the sum $45 + (-32) + (-24)$.
-

43. Find the quotient $0 \div (-23)$.
-

44. Which property is shown?

$$15 + (13 + 11) = (15 + 13) + 11$$

A Associate Property
B Commutative Property
C Identity Property
D Distributive Property

45. Find the value of 3^2 .
-

46. $454 + 0 = 454$ is an example of which property?
-

47. Which is "25 times the quantity 16 less than n " as an algebraic expression?

F $25n - 16$ H $25 \cdot 16 - n$
G $(25 \cdot 16) - n$ J $25(n - 16)$

48. Find the difference $24.38 - 18.953$.
-

49. Find the quotient $\frac{5}{12} \div \frac{1}{4}$.
-

50. Find the difference $\frac{5}{8} - \frac{3}{16}$.
-

51. Irene bought 3 yards of fabric and a spool of thread for \$28.10. If the spool of thread cost \$1.25, how much did the fabric cost per yard?

52. Find the quotient $-19.4 \div 3.48$. Round to the nearest tenth.

53. When climbing out of Death Valley, Amy climbed from 256 feet below sea level to 834 feet above sea level. How far did she climb?

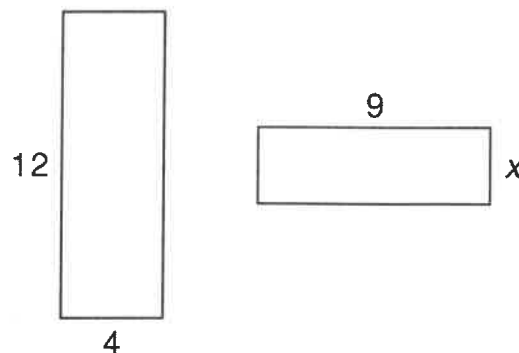
54. Write the numbers -6 , 2 , 0 , -1 , and -5 in order from least to greatest?

55. Find the quotient of $-75 \div (-15)$.

56. Estimate $14.75 \div 2.85$ by using compatible numbers.

57. Find the product $(-4) \cdot 5 \cdot (-6)$.

58. Find the unknown length in these similar rectangles.



59. Find the difference $-27 - (-36)$.

60. Write the numbers $\frac{7}{8}$, 0.825 , and 0.78 in order from least to greatest?

61. Start at the origin. Point J is 3 units right and 4 units down. What are the coordinates of J ?

62. A grocery store sells 16 pounds of beans for \$9.60. What is the unit rate.

63. Evaluate the expression $6 \cdot 8 \div 4 + 12 \div 3$.

64. Solve $p + 2.57 = 8.31$.

65. Evaluate $c + d$ when $c = 12$ and $d = -6$.

66. Fred bought three books for \$12.95, \$18.50, and \$23.48. What was the average price of his books?

67. Simplify $55x^2 + y - 2x^2$.

68. Solve $\frac{3}{4}w = 1\frac{1}{2}$.

69. Divide $\frac{4}{9} \div 6\frac{2}{3}$.

70. A wall that is 80 inches long is 5 inches in a drawing. What is the scale factor?

71. Which expression is equivalent to "two times the difference between a number and 44"?

F $2n - 44$ H $2(n - 44)$

G $44n - 2$ J $n - 44 \times x$

72. The table below shows the change in river height during a week. What was the average change per day?

Day	1	2	3	4	5	6	7
Change (in.)	12	-18	4	10	8	-6	4

73. When raking leaves, Jon raked $\frac{1}{3}$ of the yard, Mindy raked $\frac{1}{8}$, and Teresa raked $\frac{1}{4}$. How much of the yard did they rake altogether?
-

74. Evaluate $3.57 + 1.29$.

75. Which fraction, in simplest form, is equivalent to 0.375?

F $\frac{1}{8}$

H $\frac{3}{4}$

G $\frac{5}{9}$

J $\frac{3}{8}$

76. Which proportion has a solution of $x = 8$?

A $\frac{2}{48} = \frac{x}{12}$

B $\frac{2}{x} = \frac{48}{12}$

C $\frac{2}{x} = \frac{12}{48}$

D $\frac{2}{12} = \frac{48}{x}$

Science Fair

- Starting Science Fair
 - You should be entering Science Fair with a good topic
 - For topic ideas, please visit www.sciencebuddies.org. Also, speak with an adult about your project ideas. You can look at prior CASEF submissions and make it your own
 - If you would like any feedback, please email Miss Beeghley.
 - **These need to be testable ideas and not just observations!**
 - You need to be able to have a minimum of 5 trials of your experiment with 3 variables. If you are working with humans, you must have 30 people willing to participate in your experiment. Please see me for the human consent form in August.
- The Index Card is due on the first day of school.
- We will assign your topic/category officially the first week of school.

Index Card

- On a 3 X 5 index card, write your heading in the upper left hand corner
 - o Name
 - o Date
 - o Homeroom
- On separate lines write:
 - o Topic:
 - o Problem: The problem needs to be in a question format
 - o Align as shown in example
- Example of how to write the problem:
 - o General: How does (independent variable) affect (dependent variable)?
 - o Specific example: How does different colored lighting affect plant growth?

