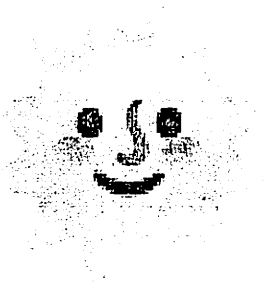
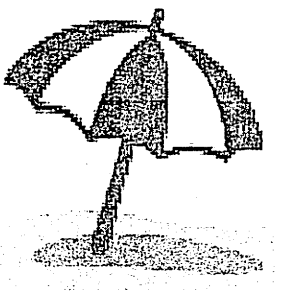




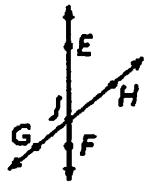
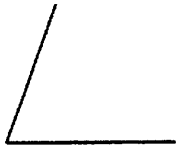
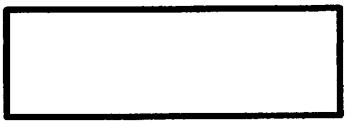
Summer Math 2024

Dear Parents:
We are so proud of the students in accelerated/honors math classes this year. We look forward to having them in class next year! In order to maintain academic success, they must continue to learn, practice, and review, even over the summer. By taking time to review and practice essential math skills over the summer, students will create more opportunities to find success the following year, while preventing summer learning loss. Every student will need to complete the summer math packet. This packet is due on the first day of school and will be counted as the first grade of the 1st trimester.
Enjoy the Summer!

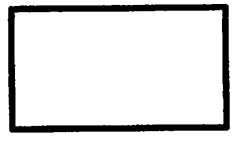
Thanks,

Mrs. Koch and Mrs. Bauer

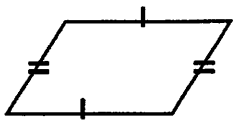
Skills Practice 4

1. $2{,}783 \div 5 =$ _____	2. $\begin{array}{r} 1{,}002 \\ -\quad 99 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $18 \div 2 + 4$
4. List the factors of: 9: _____ 33: _____	5. Use the distributive property to solve: $6 \times (12 + 8)$	6. Name the rule and list the next three terms in the pattern. 56, 67, 78, 89, 100 ...
7. Compare using <, >, or =. $\frac{4}{9}$ ____ $\frac{5}{10}$ $\frac{2}{3}$ ____ $\frac{1}{5}$	8. Compare using <, >, or =. 0.67 _____ 0.6 3.28 _____ 3.289	9. Solve: $67 - 0.2 =$ _____
10. Parallel, perpendicular, or intersecting? 	11. Fill in the blanks. 72 inches = _____ feet 4 pounds = _____ ounces	12. 500,000 + 30,000 + 400 +20 + 7 = _____
13.  What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 20 ft 4 ft 	15. Susie used 0.75 cup of sugar in a batch of brownies. What fraction of a cup did she use?

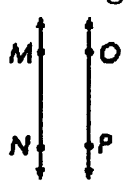
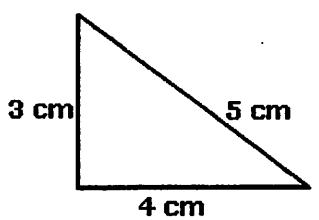
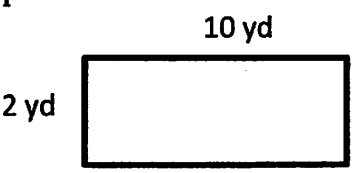
Skills Practice 3

1. 827 x 32	2. 1,675 + 1,092	3. Solve the expression. Use Order of Operations $(24+2)\div 2$
4. List the first 5 multiples of: 3:_____ 5:_____ 7:_____	5. Use the distributive property to solve: $4 \times (10 + 7)$	6. Name the rule and list the next three terms in the pattern. 5, 4, 8, 7, 14...
7. Write the fractions as fractions with a common dominator. $\frac{3}{4}$ and $\frac{1}{3}$	8. Write each decimal in word form. 302.78_____ _____ 15.023_____ _____	9. Solve: 14.2 + 0.23 = _____
10. Name the type of angle. 	11. Fill in the blanks. 20 quarts = _____ gallons 7 tons = _____ pounds	12. How much time has elapsed? 2:20 P.M. to 5:57 P.M.
 13. What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 5 cm 4 cm 	15. Carl put 42 cards into equal stacks of 7. How many stacks did he make?

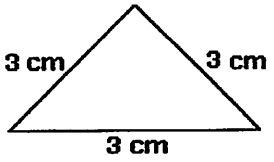
Skills Practice 1

1. $\begin{array}{r} 34 \\ \times\ 28 \\ \hline \end{array}$	2. $\begin{array}{r} 999 \\ +\ 813 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $6 \times 7 - 8 \div 4$
4. List the first 5 multiples of: **2:**_____ **4:**_____ **6:**_____	5. Use the distributive property to solve: $9 \times (4 + 11)$	6. Name the rule and list the next three terms in the pattern. 61, 55, 49, 43, 37 ...
7. Write two equivalent fractions for each fraction. $\frac{2}{3} =$ $\frac{3}{5} =$	8. Write each improper fraction as a mixed number. $\frac{37}{5} =$ $\frac{19}{4} =$	9. Solve: 19.78 + 4.6 = _____
10. Classify in as many ways possible. 	11. Fill in the blanks. _____ inches = 3 feet _____ feet = 6 yards	12. How much time has elapsed? 10:40 P.M. to 1:40 A.M.
13. What is the degree measure of the angle? 	14. Find the area and perimeter. 5 cm 1 cm 	15. Sarah has 4 notebooks. Each notebook has 205 pages. How many pages are there in all?

Skills Practice 8

1. $502 \div 5 =$ _____	2. 982,274 - 229,882	3. Solve the expression. Use Order of Operations $8 \times 3 + 70 \div 7 - 7$
4. Prime or Composite? 12:_____ 7: _____	5. Use the distributive property to solve: $3 \times (8 + 4)$	6. Name the rule and list the next three terms in the pattern. 1, 1, 2, 3, 5, 8, 13...
7. Write the mixed numbers as improper fractions. $4\frac{1}{3} =$ $7\frac{2}{10} =$	8. Write the fraction as a money amount. $\frac{4}{100} =$	9. Solve: 30 - 0.56 = _____
10. Parallel, perpendicular, or intersecting? 	11. Fill in the blank. 2 cups = _____ fluid ounces 4 feet = _____ inches	12. The value of the 1 in 154,985 is _____
 13. Classify the triangle by its sides and angles.	14. Find the area and perimeter. 	15. Anna's dad is 36. He is 9 times as old as she is. How old is Anna?

Skills Practice 7

1. $\begin{array}{r} 527 \\ \times\ 14 \\ \hline \end{array}$	2. $\begin{array}{r} 338{,}289 \\ +\ \ 3{,}784 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $36 \div 9 + 48 - 10 \div 2$
4. Prime or Composite? 9:_____ 33: _____	5. Use the distributive property to solve: $2 \times (3 + 10)$	6. Name the rule and list the next three terms in the pattern. 28, 20, 24, 16, 20...
7. Order from least to greatest. $\frac{3}{8}, \frac{1}{4}, \frac{1}{2}$	8. Write the number as hundredths in fraction form and decimal form. $\frac{7}{10} =$	9. Solve: 348.09 + 0.05 = _____
10. Classify in as many ways possible. 	11. Compare using <, >, or =. 2 tons_____ 4,000 pounds 3 quarts _____ 8 pints	12. How much time has elapsed? 7:20 A.M. to 9:49 A.M.
13.  Classify the triangle by its sides and angles.	14. Find the area and perimeter. 5 ft 3 ft 	15. Ben and Michael are brothers. Ben is four times as old as Michael, and their combined ages is 25. How old is Ben?

Name: _____

Writing Rules

Directions: Find the missing numbers in each table. Write a rule for each table.

Rule: multiply by _____

input	output
2	18
3	
5	
8	72
9	

Rule: subtract_____

input	output
$18	$13
$22	
$26	$20
$29	
$35	

Rule: _____

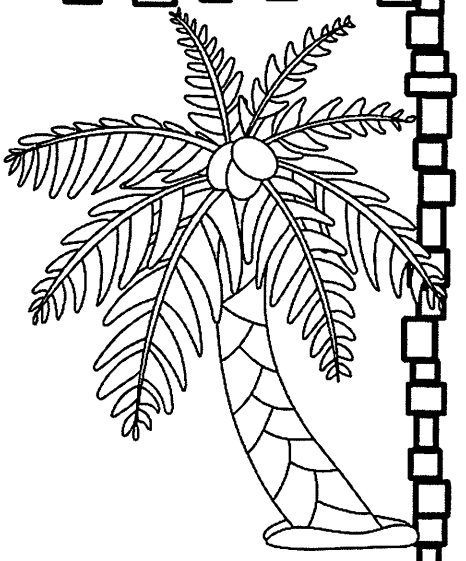
input	output
32	52
38	
47	67
51	71
66	

Rule: _____

input	output
32	64
47	
53	106
68	
172	

Name: _____

Fractions & Decimals



Directions:
Write each decimal as a fraction in lowest terms.

6.09 =

2.41 =

7.09 =

41.73 =

70.37 =

835.93 =

264.58 =

Name: _____

Money Word Problems

Directions: Find the elapsed time.

Trevor bought a piece of pizza for $1.75 and a drink for .59. How much did he spend?

_____

Haley bought a bag of popcorn for $3.15 and a drink for $1.99. How much did she spend?

_____

Kila bought three movie tickets for her friends. Each ticket was $8.25. How much did she spend?

_____

Miles had $20. He bought a movie ticket for $7.50 and popcorn for $4.25. How much money does he have left?

_____

Lincoln is going to buy two movie tickets for $7.50 each. He also wants to buy a drink for $2.75 and candy for $2.50. He has $20. Does he have enough money?

_____

Sylvia spent $18 at the movies. She bought a ticket for $7.50 and a drink for $4.00. She also bought a bag of popcorn. How much did the popcorn cost?

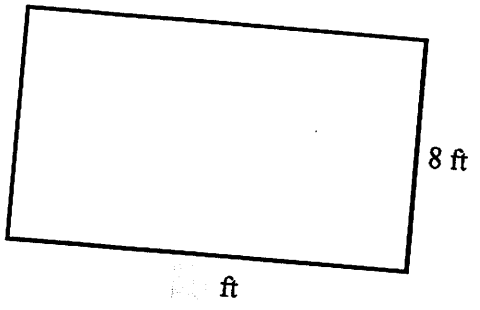
_____

Read each question. Fill-in the correct answer.

1. An online music store had an average of 1,462 downloads each hour for 6 hours. How many downloads did the music store have in all?

   Ⓐ 8,772 downloads
   Ⓑ 8,762 downloads
   Ⓒ 8,472 downloads
   Ⓓ 6,762 downloads

2. The fabric wall hanging has an **area** of 112 square feet. The width is 8 feet. What is the length?



   Ⓕ 14 feet
   Ⓖ 28 feet
   Ⓗ 30 feet
   Ⓘ 48 feet

3. Which is 8,903 written in expanded form?

   Ⓐ $800 + 90 + 3$
   Ⓑ $800 + 90 + 10 + 3$
   Ⓒ $8{,}000 + 90 + 3$
   Ⓓ $8{,}000 + 900 + 3$

4. Pia needs $\frac{3}{4}$ yard of fabric to cover a bench. Which amount of fabric is greater than $\frac{3}{4}$ yard?

   Ⓕ $\frac{7}{12}$ yard
   Ⓖ $\frac{2}{3}$ yard
   Ⓗ $\frac{1}{2}$ yard
   Ⓘ $\frac{5}{6}$ yard

5. An amusement park had 8,439 visitors on Friday. It had 9,904 visitors on Saturday. Rounding to the nearest thousand, about how many visitors did the park have altogether?

   Ⓐ 16,000 visitors
   Ⓑ 17,000 visitors
   Ⓒ 18,000 visitors
   Ⓓ 20,000 visitors

6. What is the value of the expression?

$(21 - 3) + (5 \times 2)$

Ⓕ 180
Ⓖ 46
Ⓗ 30
Ⓘ 28

8. Choose the fraction in lowest terms for

12/18

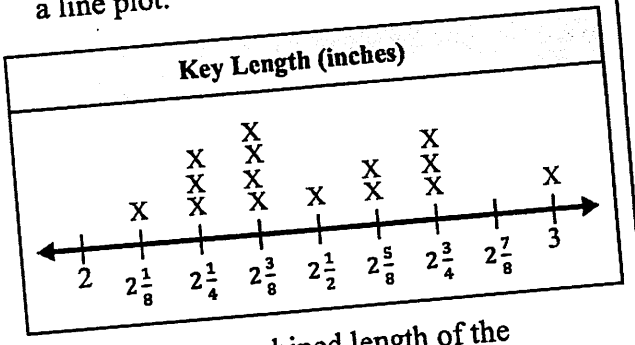
A. 2/3

B. 6/9

C. 4/6

D. 1/8

7. Ginna's class measured the lengths of keys. Ginna displayed the data in a line plot.



What is the combined length of the shortest key and the longest key? (Add the lengths – not the x's)

Ⓐ $5\frac{1}{8}$ inches

Ⓑ $\frac{7}{8}$ inch

Ⓒ 5 inches

Ⓓ $1\frac{5}{8}$ inch

9. What is the place value of the digit 2 in 126,493?

Ⓐ 200
Ⓑ 2,000
Ⓒ 20,000
Ⓓ 200,000

10. Samson Park issued 18,632 hiking permits this year. It issued 18,777 permits last year. How many permits did it issue in all?

Ⓕ 26,309 permits
Ⓖ 37,409 permits
Ⓗ 36,409 permits
Ⓘ 36,309 permits

GO ON ▶

11. Choose a fraction that is 6/ 24 in lowest terms.

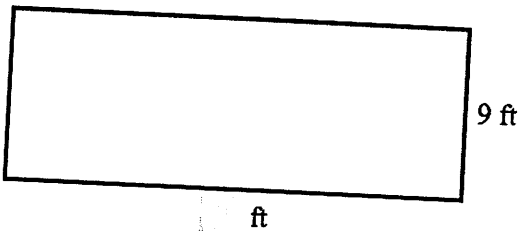
A. 4/6

B. 4/1

C. 1/4

D. 1/24

12. The area of a tablecloth is 108 square feet. The width is 9 feet. What is the **perimeter** of the tablecloth?



Ⓕ 12 feet
Ⓖ 21 feet
Ⓗ 42 feet
Ⓘ 81 feet

13. There are 100 tissues in a box. How many tissues are in 6 boxes?

Ⓐ 60 tissues
Ⓑ 106 tissues
Ⓒ 600 tissues
Ⓓ 6,000 tissues

14. Sara is practicing words for a spelling bee. She practiced 5 words on Monday. She plans to practice 2 times as many words each day as the previous day. How many total words will she practice each day for the next four days?

Ⓕ 10, 15, 20, 25
Ⓖ 10, 20, 30, 40
Ⓗ 10, 20, 40, 60
Ⓘ 10, 20, 40, 80

15. Mrs. Hammond ordered an equal number of T-shirts in 3 different sizes. If she ordered 600 T-shirts, how many of each size did she order?

Ⓐ 20 T-shirts
Ⓑ 200 T-shirts
Ⓒ 1,800 T-shirts
Ⓓ 2,000 T-shirts

16. Compare fractions.

Choose <, =, >.

3/5 _____ 4/12

A. <

B. =

C. >

17. Choose the least common multiple (LCM) of 2, 3, and 9.

A. 27

B. 18

C. 12

D. 2

18. A store ordered 57 boxes of puzzles for a tent sale. There are 18 puzzles in each box. About how many puzzles did the store order in all?

Ⓕ 120 puzzles
Ⓖ 600 puzzles
Ⓗ 1,000 puzzles
Ⓘ 1,200 puzzles

19. Davi has 5 times as many hats as Kwan. Davi has 20 hats. Which can be used to find the number of hats Kwan has?

Ⓐ $5 + h = 20; h = 15$
Ⓑ $5 \times h = 20; h = 4$
Ⓒ $5 \times 20 = h; h = 100$
Ⓓ $5 + 20 = h; h = 25$

20. Mr. Tate equally divided 64 screws into 4 drawers of a tool chest. How many screws are in each drawer?

Ⓕ 13 screws
Ⓖ 14 screws
Ⓗ 16 screws
Ⓘ 18 screws

GO ON ▶