

Name: _____

5th Grade Math Unit 3 Study Guide

Vocabulary

Find the definition for each term and provide an example or picture.

Term	Definition	Example/Picture
Expression		
Equation		
Product		
Quotient		
Sum		
Difference		
GEMDAS		

Multiplication

$\begin{array}{r} 849 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 243 \\ \times 14 \\ \hline \end{array}$	$\begin{array}{r} 487 \\ \times 62 \\ \hline \end{array}$	$\begin{array}{r} 791 \\ \times 24 \\ \hline \end{array}$
$\begin{array}{r} 439 \\ \times 84 \\ \hline \end{array}$	$\begin{array}{r} 683 \\ \times 51 \\ \hline \end{array}$	$\begin{array}{r} 356 \\ \times 45 \\ \hline \end{array}$	$\begin{array}{r} 323 \\ \times 76 \\ \hline \end{array}$

Choose the best answer. Show your work.

A machine can produce 945 pencils per hour. How many pencils can the machine produce in 48 hours?

A. 45,360

B. 45,630

C. 46,350

D. 46,530



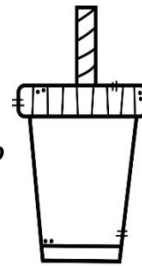
Division

$612 \div 9$	$792 \div 12$	$3,402 \div 21$	$2,574 \div 13$
$1,488 \div 24$	$2,002 \div 22$	$629 \div 17$	$1,102 \div 19$

Choose the best answer. Show your work.

A machine is filled with 1,330 ounces of soda. If each cup can hold 16 ounces of soda, how many full cups of soda can be filled?

- A. 83 cups B. 84 cups C. 85 cups D. 86 cups



Numerical Expressions

Write each expression as a numerical expression

Divide 24 by 3, then subtract 4.

The sum of 6 and 2 multiplied by 10.

Multiply the difference of 12 and 4 by 5.

8 more than the product of 6 and 7.

Write each numerical expression as a written expression

$5 \times 6 - 9$

$(7 + 13) \div 2$

$8 + 10 \times 4$

$(50 - 10) \div 8$

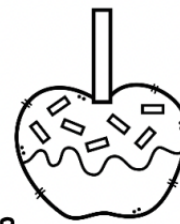
Choose the best answer for each question below

Which expression represents 40 divided by the product of 4 and 2?

- A. $40 \div (4 \times 2)$ B. $40 \div (4 + 2)$
C. $40 \times (4 \div 2)$ D. $40 \times (4 + 2)$

Which word problem best matches $(7 - 1) \div 2$?

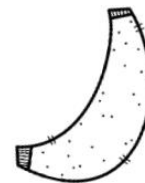
- A. Mac and Meg equally split the cost of a \$7 candy apple. If they also split a \$1 soda, how much did they each pay?
- B. Mac and Meg equally split the cost of a \$7 candy apple. If they had a coupon for \$1 off, how much did they each pay?



Write a numerical expression for each problem below.

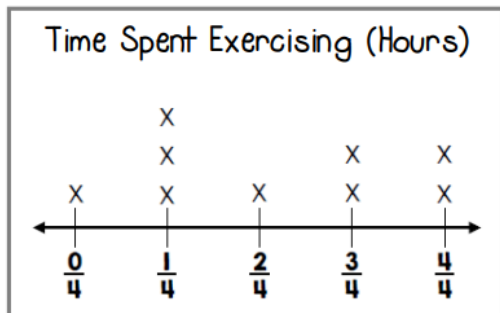
Lucy earns \$7 per hour working at the bakery. If she worked 6 hours Monday and 9 hours on Tuesday, how much money did Lucy earn in all?

Abbott 45 bananas from each of his 3 banana trees. He equally sorted the bananas into 5 crates. How many bananas were in each crate?



Line Plots

Line Plot #2 The line plot below shows the time Jess spent exercising over the past nine days.



10. How many times did Jess exercise for $\frac{3}{4}$ hour? _____
11. What was the most common amount of time Jess spent exercising? _____
12. How many more times did Jess exercise for a whole hour than a half hour? _____

_____ 13. How many times did Jess spend less than a half hour exercising?
 A. 1 time B. 3 times C. 4 times D. 5 times

_____ 14. What is the total amount of time Jess spent exercising over the past 9 days?
 A. $2\frac{2}{4}$ hours B. $3\frac{1}{4}$ hours C. 4 hours D. $4\frac{3}{4}$ hours

Fair Share & Mean Use the above line plot to solve the question.

Find the average amount of time Jess spend exercising each day. This is the fair share/mean of the time Jess spent exercising over the past nine days.
