

Name: _____

★ 6th Grade Math Homework

September 25 -29

Week 7

Please use your math notebook and/or our math website for help/videos to help with concepts on this homework.

6th grade math website: nms6grademath.weebly.com **SHOW ALL WORK IN THE WORK COLUMN. NO CALCULATORS!**

Monday	Mon.'s Work	Tuesday	Tues.'s Work
Express 84 as a product of its prime factors.		Use Order of Operations to solve. $12 \div 3 \times (15 - 6) + 3$	
Find the product. $1\frac{7}{10} \times 2\frac{3}{6} =$		Find the sum. $849.832 + 991.54$	
Zoe has 5 pounds of potatoes. She has multiple recipes that require $\frac{3}{4}$ pounds of potatoes. How many recipes will she be able to make?		Find the quotient. $\frac{6}{7} \div \frac{1}{2} =$	
Find the quotient. $2\frac{3}{4} \div \frac{1}{5}$		Find the quotient. $3\frac{1}{2} \div 2\frac{1}{8} =$	
Given that $56^2 = 3,136$, find the square of 112.		List all even numbers, greater than -37 but less than -25.	
Given that the square root of 64 is 8, find the square root of 169.		Find the difference. $1,837.11 - 74.908$	
What is the LCM of 4 and 9?		Use the Distributive Property to express $28 + 42$	
Joshua's Math textbook weighs 4.2 ounces. His Social Studies book weighs 3.99 ounces. What is the difference in weight between the two books?		Find the quotient. $2.88 \div 1.2$	

Wednesday	Wed.'s Work	Thursday	Thurs.'s Work
<p>Write each fraction in its simplest form.</p> $\frac{18}{4} = \frac{\quad}{\quad} \quad \frac{15}{25} = \frac{\quad}{\quad}$		<p>Use Order of Operations to solve.</p> $(15 \div 5) + 9 + (14 - 5) \times 3$	
<p>For \$5.00 you can buy two 6 packs of 20 oz bottles of lemonade <u>or</u> you can buy two gallon jugs of lemonade. To get the most lemonade, which should you buy?</p>		<p>Find the quotient.</p> $5\frac{1}{4} \div 3\frac{1}{2} =$	
<p>Tony has $\frac{7}{8}$ of a candy bar. He wants to split the bar into servings that are $\frac{3}{10}$ of the bar. How many servings can he make?</p>		<p>Find the unknown measurement.</p> $9.8 \text{ kg} = \text{ ______ } \text{ g}$	
<p>Joe spent $\frac{1}{3}$ of his allowance on baseball cards, $\frac{1}{4}$ on baseball souvenirs and $\frac{3}{8}$ on a baseball ticket. If he has \$5 left, how much is his allowance?</p>		<p>There are 11 boys and 12 girls in Mrs. Smith's class. What fraction of the class are boys?</p>	
<p>Find the product.</p> 29.4×0.18		<p>There are 28 student desks in Ms. Johnson's class. Each desk measures 26.17 inches long. If you were to line up all the desks end-to-end, how long would all the desks be?</p>	
<p>Find the quotient.</p> $29.44 \div 8$		<p>24 boxes of crayons weigh 235.2 ounces. How many ounces is each box of crayons?</p>	
<p>What is the GCF of 77 and 56?</p>		<p>Angela has 24 golf balls and 18 golf clubs. She wants to sell packages of balls and clubs bundled together. What is the greatest number of packages she can sell with no leftover balls or clubs?</p>	
<p>Find the product.</p> $1\frac{1}{3} \times 1\frac{3}{4} =$		<p>Find the product.</p> $4.15 \times 7.8 =$	

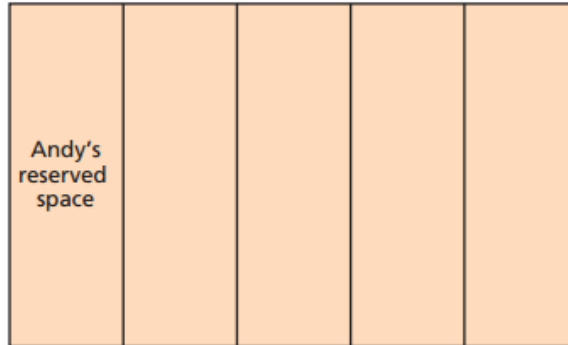
ERQ

Scoring Guide is on the back of this paper. Please answer this on the box provided on the next page.

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The diagram below shows the area of the cafeteria floor space that was used for a craft show. Andy reserved $\frac{1}{5}$ of the cafeteria floor space to display his crafts.

Cafeteria Floor Space



Andy divided his reserved space into 4 equal parts and displayed his paintings, woodworking, metalwork, and clay each in a different spot.

Part A What fraction of the cafeteria floor space did Andy use for paintings? Explain how to check your answer using multiplication. Show your work.

The next time Andy set up his craft display in the cafeteria he was given $\frac{1}{3}$ of the cafeteria floor space. He divided his reserved space into 4 equal parts so he could display his paintings, woodworking, metalwork, and clay in different spots.

Part B What fraction of the cafeteria floor space did Andy use for paintings? Show your work.

Part C Use a visual fraction model to show the fraction of the cafeteria floor space that you determined Andy used to display his paintings in **part B**.



RESTATE the question

Restate or reword the question and turn it into a statement.



ANSWER the question

What is being asked? Answer ALL PARTS of the question.



CIRCLE the answer

Write neatly and make sure your answer STANDS OUT!



EXPLAIN your response

Tell how and why you got your answer, BUT ONLY if it says explain or justify!



SHOW your work

Even if you think it's easy or used a calculator, show all steps!

Kentucky Extended-Response Questions

General Scoring Guide

Score Point 4

- You complete all important components of the question and communicate ideas clearly.
- You demonstrate in-depth understanding of the relevant concepts and/or processes.
- Where appropriate, you choose more efficient and/or sophisticated processes.
- Where appropriate, you offer insightful interpretations or extensions (generalizations, applications, analogies).

Score Point 3

- You complete most important components of the question and communicate clearly.
- You demonstrate an understanding of major concepts even though you overlook or misunderstand some less-important ideas or details.

Score Point 2

- You complete some important components of the question and communicate those components clearly.
- You demonstrate that there are gaps in your conceptual understanding.

Score Point 1

- You show minimal understanding of the question.
- You address only a small portion of the question.

Score Point 0

- Your answer is totally incorrect or irrelevant.

Blank

- You did not give any answer at all.

Mathematics

Do not write outside this box.

