

Math 6 - Unit 1: Number System Fluency

GCF & LCM Word Problem

Name: _____

Class Period: 1 2 3 4 Date: _

CIRCLE or **HIGHLIGHT** the important information and **UNDERLINE** the question. **CIRCLE** whether the word problem is GCF or LCM then solve the problem using one of the strategies taught.

<p>1. You are planting a garden. You have 12 tulips and 18 roses to plant. You want to plant your flowers in rows, and you do not want to mix flowers within rows. Each row is all tulips or all roses. What is the greatest number of seedlings that you could put in each row?</p>	<p>GCF or LCM</p> <p># of seedlings _____</p>
<p>2. String-cheese sticks are sold in packs of 10, and celery sticks in packs of 15. Mrs. Ledesma wants to give each of 30 students one string-cheese stick and one celery stick. What is the total number of each snack needed? What is the least number of packs she should buy so there are none left over?</p>	<p>GCF or LCM</p> <p>Total # of each: _____</p> <p>#cheese packs _____</p> <p>#celery packs _____</p>
<p>3. Each student needs a pencil and an eraser to take a test. If pencils come 8 in a box and erasers come 10 in a bag, what is the total number of each item needed and what is the least number of boxes and bags needed for each pencil to have an eraser?</p>	<p>GCF or LCM</p> <p>Total # of each: _____</p> <p>#Pencil Boxes _____</p> <p>#Bags of Erasers _____</p>

<p>4. Two students in Mrs. Yolanda's preschool class are stacking blocks, one on top of the other. Jaylah's blocks are 8 cm high, and Laylah's blocks are 12 cm high. How tall will their stacks be when they are the same height for the first time?</p>	<p>GCF or LCM</p> <p># of cm tall _____</p>
<p>5. Khalia has two rolls of streamers to use in decorating the school gym for a pep rally. She is cutting them into pieces. One roll is 64 feet long, and the other is 72 feet long. If she wants to make all of the pieces the same length, what is the greatest length each streamer can be?</p>	<p>GCF or LCM</p> <p>Length of Streamers _____</p>
<p>6. Leslie has 45 apples and 75 pears to sell at her family's farm market. She wants to put the fruit in bags so that there are the same number of pieces of each fruit in each bag. What is the greatest number of bags of fruit that Leslie can have? How many pieces of each kind of fruit will be in the bag?</p>	<p>GCF or LCM</p> <p># of bags _____</p> <p># of apples _____</p> <p># of pears _____</p>
<p>7. Nataly wants to make party bags for a birthday. Glitter pens come in packs of 6 and Stickers come in sheets of 4. What is the least number of bags she can prepare with one of each item in every party bag with no supplies left over? How many packs of pens and sheets of stickers does she need to buy?</p>	<p>GCF or LCM</p> <p># of bags _____</p> <p>Packs of Pens _____</p> <p>Sheets of Stickers _____</p>

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GCF & LCM Word Problem **ANSWER KEY**

Name: _____

Class Period: 1 2 3 4 Date: _

CIRCLE or **HIGHLIGHT** the important information and **UNDERLINE** the question.

CIRCLE whether the word problem is GCF or LCM then solve the problem using one of the strategies taught.

<p>1. You are planting a garden. You have 12 tulips and 18 roses to plant. You want to plant your flowers in rows, and you do not want to mix flowers within rows. Each row is all tulips or all roses. <u>What is the greatest number of seedlings that you could put in each row?</u></p>	<p>GCF or LCM</p> <p># of seedlings 6</p>
<p>2. String-cheese sticks are sold in packs of 10, and celery sticks in packs of 15. Mrs. Ledesma wants to give each of 30 students one string-cheese stick and one celery stick. <u>What is the total number of each snack needed? What is the least number of packs she should buy so there are none left over?</u></p>	<p>GCF or LCM</p> <p>Total # of each: 30</p> <p>#cheese packs 3</p> <p>#celery packs 2</p>
<p>3. Each student needs a pencil and an eraser to take a test. If pencils come 8 in a box and erasers come 10 in a bag, <u>what is the total number of each item needed and what is the least number of boxes and bags needed for each pencil to have an eraser?</u></p>	<p>GCF or LCM</p> <p>Total # of each: 40</p> <p>#Pencil Boxes 5</p> <p>#Bags of Erasers 4</p>

<p>4. Two students in Mrs. Yolanda's preschool class are stacking blocks, one on top of the other. Jaylah's blocks are 8 cm high, and Laylah's blocks are 12 cm high. <u>How tall will their stacks be when they are the same height for the first time?</u></p>	<p>GCF or LCM</p> <p># of cm tall 24 inches</p>
<p>5. Khalia has two rolls of streamers to use in decorating the school gym for a pep rally. She is cutting them into pieces. One roll is 64 feet long, and the other is 72 feet long. <u>If she wants to make all of the pieces the same length, what is the greatest length each streamer can be?</u></p>	<p>GCF or LCM</p> <p>Length of Streamers 8 ft.</p>
<p>6. Leslie has 45 apples and 75 pears to sell at her family's farm market. She wants to put the fruit in bags so that there are the same number of pieces of each fruit in each bag. <u>What is the greatest number of bags of fruit that Leslie can have? How many pieces of each kind of fruit will be in the bag?</u></p>	<p>GCF or LCM</p> <p># of bags 15</p> <p># of apples 3</p> <p># of pears 5</p>
<p>7. Nataly wants to make party bags for a birthday. Glitter pens come in packs of 6 and Stickers come in sheets of 4. <u>What is the least number of bags she can prepare with one of each item in every party bag with no supplies left over? How many packs of pens and sheets of stickers does she need to buy?</u></p>	<p>GCF or LCM</p> <p># of bags 12</p> <p>Packs of Pens 2</p> <p>Sheets of Stickers 3</p>