



Homework 8/14-18

Student Name: _____

Date: _____

Teacher Name: Elizabeth Walker

Score: _____

- 1) What is the greatest common factor of 24, 36, and 72?
- A) 9
B) 12
C) 24
D) 18
- 2) What is the GCF of 32 and 56?
- A) 2
B) 4
C) 8
D) 14
- 3) Which number is a FACTOR of both 12 and 24?
- A) 8
B) 10
C) 12
D) 18
- 4) What is the GCF of 18 and 30?
- A) 2
B) 3
C) 4
D) 6
- 5) What is the GCF of 20 and 24?
- A) 4
B) 6
C) 8
D) 12
- 6) What is the GCF of 16 and 20?
- A) 2
B) 4
C) 6
D) 8
- 7) What is the LCM of 9 and 12?
- A) 3
B) 9
C) 18
D) 36
- 8) Which equation demonstrates the distributive property?
- A) $20 + 36 = 56$
B) $20 \times 36 = 36 \times 20$
C) $20 + 36 = 4(5 + 9)$
D) $(5 + 9)4 = 4(5 + 9)$
- 9) Which equation demonstrates the distributive property?
- A) $36 + 9 = 45$
B) $36 + 9 = 3(12 + 3)$
C) $36 \times 9 = 9 \times 36$
D) $(12 + 3)3 = 3(12 + 3)$

10) Find the least common multiple of 8 and 12.

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| A) 4 | C) 24 |
| B) 16 | D) 96 |

11) Find the least common multiple of 6 and 10.

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| A) 2 | C) 60 |
| B) 30 | D) 90 |

12) Find the LCM of 6 and 8.

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| A) 12 | C) 24 |
| B) 18 | D) 36 |

13) Find the LCM of 8 and 12.

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| A) 12 | C) 24 |
| B) 18 | D) 36 |

14) A florist has 54 red roses and 36 white roses. If the florist creates the greatest number of identical bouquets possible with a combination of red and white roses without any roses leftover, how many red roses are in each bouquet?

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| A) 2 | C) 4 |
| B) 3 | D) 5 |

15) Jane is making fruit baskets. She has 48 bananas and 72 apples. What is the greatest number of baskets that Jane can make if each contains an equal number of apples and bananas?

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| A) 16 baskets | C) 20 baskets |
| B) 18 baskets | D) 24 baskets |

16) Helping Hearts is making care packages. 36 bars of soap and 27 tubes of toothpaste are available. Each package will contain an equal number of each item. What is the greatest number of care packages that Helping Hands can make?

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| A) 3 packages | C) 9 packages |
| B) 6 packages | D) 12 packages |

17) If you have 54 blue marbles and 99 yellow marbles, what is the greatest number of identical marble bags that can be made without any marbles leftover?

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| A) 6 | C) 12 |
| B) 9 | D) 18 |

18) A store has two brands of pencils on sale for the day. Brand A comes in packs of 4, and Brand B comes in packs of 10. If an equal number of each brand sold, what is the minimum number of each sold?

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| A) 14 | C) 28 |
| B) 20 | D) 36 |

19) Matt has a quiz every 6th day of class, and Meg has a quiz every 3rd day of class. When will they have a quiz on the same day?

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| A) 6th day | C) 12th day |
| B) 9th day | D) 18th day |

20) For a 4th of July parade, every 4th lamp post has red and white balloons and every 7th lamp post has blue and white balloons. When will a lamp post have red, white, and blue balloons?

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| A) 11th lamp post | C) 28th lamp post |
| B) 14th lamp post | D) 36th lamp post |