



Test Review

1. Find the prime factorization of 240.	2. Find the prime factorization of 144.
3. Simplify $36 \div (12 - 8) + 2^3 \times 5$	4. Simplify $4^2 \times 3 - (8 + 24 \div 3) \div 8$
5. Express the area in two ways. 	6. Express the area in two ways. 
7. 8×56 is equivalent to: a) $(8 \times 5) + (8 \times 6)$ b) $(8 + 50) + (8 + 6)$ c) $(8 \times 50) + (8 \times 6)$ d) $(8 \times 50) + (8 + 6)$	8. 9×75 is equivalent to: a) $(70 + 9) \times (5 + 9)$ b) $(70 \times 9) + (5 + 9)$ c) $(70 \times 9) + (5 \times 9)$ d) $(7 \times 5) + (5 \times 9)$
10. What is 3^5 in expanded form?	11. What is 4^8 in expanded form?
12. What are the common factors of 24 and 30?	13. What are the common factors of 12 and 40?
14. $(8 \times 3) + (8 \times 2)$ is equivalent to: a) $8(3 + 2)$ b) $8(32)$ c) $8(3 \times 2)$ d) $8(3)$	15. $(5 \times 4) + (5 \times 7)$ is equivalent to: a) $5(47)$ b) $5(4 \times 7)$ c) $5(4 + 7)$ d) $5(7)$
16. The LCM of 25 and 40 is?	17. The LCM of 30 and 36 is?
18. Using exponents the expression $2 \times 2 \times 2 \times 3 \times 3 \times 5$ is rewritten as?	19. Using exponents the expression $2 \times 3 \times 3 \times 3 \times 5 \times 5 \times 7 \times 7 \times 7$ is rewritten as?
20. Find the GCF between $2^4 \times 3^3$ and $2^2 \times 3^2 \times 5$.	21. Find the GCF between $2^2 \times 3^2 \times 5$ and $2 \times 3^4 \times 5^3$.
22. Mr. Cho made 5 equal gift bags with different items. How many items did he begin with? a) 24 pens, 35 pencils, 15 erasers b) 20 pens, 5 pencils, 12 erasers c) 10 pens, 15 pencils, 5 erasers d) 40 pens, 18 pencils, 5 erasers	23. Mr. Cho made 9 equal gift bags with different items. How many items did he begin with? a) 27 pens, 72 pencils, 62 erasers b) 18 pens, 36 pencils, 28 erasers c) 45 pens, 54 pencils, 9 erasers d) 54 pens, 18 pencils, 99 erasers
24. Find the GCF of 20, 24, and 32.	25. Find the GCF of 16, 32, and 40.
26. Larry gave out 15 books, 12 notebooks and 18 binders to the greatest number of friends possible so that each got the same amount of each. How many binders did each friend get?	27. Tina made the greatest number of gift bags possible so that her 18 cubes, 24 lollipops and 36 stickers were equally placed in each bag. How many cubes went in each bag?
28. How many common multiples do 5 and 12 share that are less than 100?	29. How many common multiples do 8 and 20 share that are less than 100?
30. Check your answers on the class website. Are you ready for the test? mrcho.yolasite.com	31. Check your answers on the class website. Are you ready for the test? mrcho.yolasite.com