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## Least Common Multiples

Name: \_\_\_\_\_ Score: \_\_\_\_\_

What is the least common multiple of the following number pairs?



5, 6

3, 8

6, 10

5, 16

3, 14

8, 20

6, 15

7, 12

10, 15

4, 15

4, 18

6, 20

3, 16

5, 18

6, 16

5, 12

8, 15

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MATH BLASTER

Distance

## Time, Speed, Distance – 1

Write the correct answers in the space next to each question:  
(Find the correct answers on the next page.)

- Jason rides his bicycle for 3 hours at a speed of 40 km/h. What distance does he travel? - \_\_\_\_\_
- The red bus takes 6 hours to cover a distance of 540 km. What is its speed of travel? - \_\_\_\_\_
- Sue's dog needs 4 hours to reach her house which is 20 km away. At what speed does it travel? - \_\_\_\_\_
- The amusement park is 576 km away from Mel's house. The speed limit is 90 km/h. His dad manages to drive there in 6 hours. Did Mel's dad break the speed limit? - \_\_\_\_\_
- Joey ran at a speed of 18 km/h for a total of 2 hours. How much distance did he cover? - \_\_\_\_\_



# RATIO PROBLEMS 1

A ratio is a comparison of 2 or more quantities.

The ratio of triangles to circles below is 4 to 3 or 4:3. This means that there are 4 triangles to 3 circles. We can also say that the ratio of circles to triangles is 3 to 4 or 3:4.



Look at the pictures of frogs and crickets below.



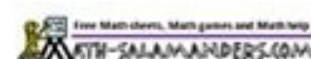
- 1) What is the ratio of frogs to crickets? \_\_\_ : \_\_\_
- 2) What is the ratio of crickets to frogs? \_\_\_ : \_\_\_



- 3) What is the ratio of seahorses to angel fish? \_\_\_ : \_\_\_
- 4) What is the ratio of angel fish to seahorses? \_\_\_ : \_\_\_



- 5) What is the ratio of spiders to snakes? \_\_\_ : \_\_\_
- 6) What is the ration of snakes to spiders? \_\_\_ : \_\_\_



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7th Grade Math Worksheets

## Ratio Word Problems

Solve these ratios and proportions word problems.

1. Lenny has 21 green blocks. The ratio of the green blocks to the yellow blocks she owns is 3:1. How many blocks does she own?  
\_\_\_\_\_
2. In a pet store, there are 48 cats and 64 dogs. What is the ratio of the cats to dogs?  
\_\_\_\_\_
3. Sarah has 20 scarves for every 5 bracelets. If she has 40 scarves, how many bracelets does she have?  
\_\_\_\_\_
4. If 10 people can lift a 50-ton carriage. How many people can lift a 100-ton carriage?  
\_\_\_\_\_
5. There are 100 flowers in a garden. The ratio of the roses to the daisies is 31:44. How many roses are there in the garden?  
\_\_\_\_\_

**WORKSPACE:**

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Share this page: What's this? These word problems need the use of greatest common factors (GCFs) or least common multiples (LCMs) to solve. What is the biggest possible number of cartons needed?(vii) A certain number of students can be arranged in groups of 3, 4, 6 or 8 with no student left behind. Every multiple of a number is either greater than or equal to the number. Two wires are 12 m and 16 m long. Use this Google Search to find what you need. Shelly has to work in rooms where the room number is a multiple of 5. If you're behind a web filter, please make sure that the domains \*.kastatic.org and \*.kasandbox.org are unblocked. Let us consider two numbers 16 and 24. (i) 6 and 8 (ii) 9 and 15 (iii) 16 and 18 (iv) 16 and 28 In this method we first divide the greater number by the smaller number. For example,  $6 = 2 \times 3$ . Factor ● Multiples.Common Multiples.Least Common Multiple (L.C.M).To find Least Common Multiple by using Prime Factorization Method.Examples to find Least Common Multiple by using Prime Factorization Method.To Find Lowest Common Multiple by using Division MethodExamples to find Least Common Multiple of two numbers by using Division MethodRelationship between H.C.F. and L.C.M.Worksheet on H.C.F. and L.C.M.Word problems on H.C.F. and L.C.M.Worksheet on word problems on H.C.F. and L.C.M. 5th Grade Math Problems From Worksheet on word problems on H.C.F. and L.C.M. to HOME PAGE Didn't find what you were looking for? Find the lowest number which is exactly divisible by 18 and 24. Victor has to work in rooms where the room number is a multiple of 3. When a number is expressed as the product of its prime factors, it is called prime factorization. Word problems on highest common factor (H.C.F.) and lowest common multiple (L.C.M.): (i) The product of two numbers is 120. If you're seeing this message, it means we're having trouble loading external resources on our website. This exercise sheet on multiples can be practiced by the students to get more ideas on the numbers that are being multiplied. The remainder becomes the new divisor and the previous divisor as the new dividend. Every number is a multiple of itself. In worksheet on multiples of that numbers, all grade students can practice the questions on multiples. Every number is the multiple of itself. Common multiples of two or more given numbers are the numbers which can exactly be divided by each of the given numbers. 1. Answers for the worksheet on H.C.F. and L.C.M. are given below. Answers: i. (i) 288; 2880(ii) 25; 3125(iii) 124; 4464(iv) 135; 9000(v) 26; 16900(i) 20(ii) 255(iii) 2025 cm(iv) 9840(v) 120(vi) 42(vii) 24(viii) 3(x) 150, 165, 180, 195(x) 11(xi) 90(xii) 99714(xiii) 1 m 70 cm(xiv) 20(xv) 6(xvi) 350(xvii) 480 (xviii) 4 We will discuss here about the method of h.c.f. (highest common factor). Thank you very much for your cooperation. How to find the prime factors of a number? We continue the process until we get 0 remainder. On which of the day will she have both the classes? (xvi) Find a multiple of 70 which is between 200 and 600 which has odd digits at tens and hundreds place.(xvii) Find a multiple of 120 which lies between 400 and 500 where the digit at tens place is double the digit at hundreds place. In 4th grade factors and multiples worksheet we will find the factors of a number by using multiplication method, find the even and odd numbers, find the prime numbers and composite numbers, find the prime factors, find the common factors, find the HCF(highest common factors Examples on multiples on different types of questions on multiples are discussed here step-by-step. Find the maximum length of each piece. Factor of 6 = 1, 2, 3 and 6. In which rooms will they all work together?(x) Sara goes to the shopping mall every 6th day. What is the greatest number of rows possible if each row has the same number of marigold plants and the same number of rose plants. Or want to know more information about Math Only Math. Finding highest common factor (H.C.F) by prime factorization for Common factors of two or more numbers are a number which divides each of the given numbers exactly. Practice the questions given in the worksheet on hcf (highest common factor) by factorization method, prime factorization method and division method. Let us take an example to find prime factors of 210. The lowest common multiple or LCM of two or more numbers is the smallest of all common multiples. Let us consider some of the word problems on H.C.F. (highest common factor). Write any four multiples of: 7 Prime factorisation or complete factorisation of the given number is to express a given number as a product of prime factor. Zero (0) is a multiple of every number. Math worksheets and visual curriculum In worksheet on word problems on H.C.F. and L.C.M. we will find the greatest common factor of two or more numbers and the least common multiple of two or more numbers and their word problems. I. Find the highest common factor and least common multiple of the following pairs of numbers:(i) 576 and 1440(ii) 625 and 325(iii) 496 and 1116(iv) 1000 and 1125(v) 676 and 650 II. We need to divide 210 by the first prime number 2 we get 105. So 2 and 3 are prime factors Prime factor is the factor of the given number which is a prime number also. Mixing GCF and LCM word problems encourages students to read and think about the questions, rather than simply recognizing a pattern to the solutions. Find the number of students.(viii) The local bus service has 2 lines of buses that start together at 8 a.m. Buses on line A leave after every 15 minutes while Buses on line B leave after every 20 minutes. (xii) Find the greatest number of 5-digits which on being divided by 9, 12, 24 and 45 leaves 3, 6, 18 and 39 as remainders respectively. (i) Multiples of 3 are: 3, 6, 9, 12, 15, 18, 21, 24, .....etc. Ron has to work in all the rooms. Now we need to divide 105 by the prime The properties of multiples are discussed step by step according to its property. (iii) Find the least length of a rope which can be cut into whole number of pieces of lengths 45 cm, 75 cm and 81 cm. Product of two or more numbers Let us consider some of the word problems on l.c.m. (least common multiple). The wires are to be cut into pieces of equal length. On which of the steps will both meet if both start jumping together?(xv) Mary has a dance class every 2nd day and painting class every 3rd day. Find the longest tape which can measure the dimensions of the room exactly.(xiv) Sam can jump 4 steps at a time and Nina can jump 5 steps at a time. How many times will they meet in the mall in the month of December and January if we start counting from 1st December? Andy goes to the same shopping mall every 7th day. (xiii) The length, breadth, height of a room are 6 m 80 cm, 5 m 10 cm and 3 m 40 cm respectively. Every number is a multiple of 1. Find the common factors of the following numbers. Every multiple except zero is either equal to or greater than any of its factors What are multiples? Find the common factor of 6 and 8. If their H.C.F. is 6 what is their L.C.M.(ii) Find the smallest number which, on being added 23 to it, is exactly divisible by 32, 36, 48 and 96. In a day, how many times do buses on both line A and B leave together between 9 a.m. and 11 a.m. (x) Three painters Ron, Victor and Shelly are painting the rooms of a hotel which are numbered from 15 – 200. Consider the following. (xviii) Shane wants to plant 28 marigold plants and 36 rose plants in his garden. In order to continue enjoying our site, we ask that you confirm your identity as a human. We find the L.C.M. of 18 and 24 to get the required number. The highest common factor or HCF of two or more numbers is the greatest number which divides exactly the given numbers. For examples 1. Multiples of 4 are: 4, 8, 12, 16, 20, 24, 28, ..... etc. 2.Find the greatest number which is less by 2 to divide 24, 28 and 64 The least common multiple (L.C.M.) of two or more numbers is the smallest number which can be exactly divided by each of the given number. (xi) The HCF of two numbers is 6, if one of the numbers is 42, find the other number? (iv) Find the greatest number of 4-digits which is exactly divisible by 40, 48 and 60.(v) What is the least number of saplings that can be arranged in rows of 12, 15 or 40 in each row?(vi) 210 oranges, 252 apples and 294 pears are equally packed in cartons so that no fruit is left. The product obtained on multiplying two or more whole numbers is called a multiple of that number or the numbers being multiplied.\* We know that when two numbers are multiplied the result is called the product or the multiple of given numbers.

Extensive decimal word problems are presented in these sets of worksheets, which require the learner to perform addition, subtraction, multiplication, and division operations. This batch of printable decimal word problem worksheets is curated for students of grade 3 through grade 7. Free worksheets are included. The expressions include ones where you need to combine like terms (such as  $2t - 9 - 6t + 2$ ), use the distributive property (such as  $9 - 2(x + 7)$ ), and to multiply and divide monomials, such as  $2x^2 \cdot (-5x^3)$  and  $-4x^2 \cdot y^2 / 3x^5$ . Basic instructions for the worksheets. Each worksheet is randomly generated and thus unique. 25/08/2021 - Advanced Math is introduced to children in Grade 5 and you can learn the concepts of LCM, GCF, how to add & subtract fractions. If you cannot pick up any concepts in Grade 5 our 5th Grade Math Practice helps you cope up and be par at class. 5th Grade Math Problems available encourages you to learn math using objects, pictures, and visual models. Multi-digit word problems are included. ... Math; Digitally Fillable Worksheets. Kindergarten; 1st Grade; 2nd Grade; 3rd Grade; 4th Grade; 5th Grade; 6th Grade; 7th Grade; 8th Grade; Worksheets by Grade. Kindergarten; 1st Grade; 2nd Grade; 3rd Grade; 4th Grade; 5th Grade; ... Find the answers to the word problems that feature two-digit addends. NOTE: The largest number allowed for GCF is 1,000,000 and for LCM 10,000 to be safe (to reduce the server load). Basic instructions for the worksheets. Each worksheet is randomly generated and thus unique. The answer key is automatically generated and is placed on the second page of the file. You can use the generator to make worksheets either in html or PDF format – both are ...



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