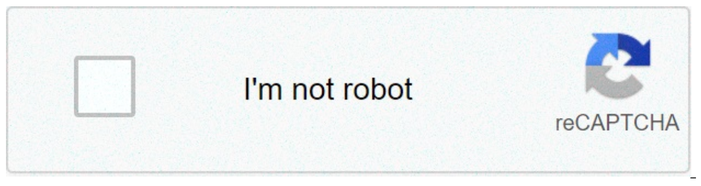

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Conversion word problems worksheet with answers

Looking for high-quality Math worksheets aligned to Common Core standards for Grades K-8? Our premium worksheet bundles contain 10 activities and answer key to challenge your students and help them understand each and every topic within their grade level. ------ Note: The Information above this point will not be sent to your printer -------- Convert between different distance measurement units to answer the word problems below. Highlight the important words and numbers. Remember to write you answer in a full sentence. 1. Chase measured a line for his art project. It is 200 millimeters long. How many centimeters is the line? There are 10 mm in 1 cm. We are converting from a small unit to a larger one so we divide. 200 ÷ 10 = 20 centimeters. The line is 20 cm long. 2. Cheryl is moving to a new house. Her old house is 3 kilometers from her new house. How many meters is the old house from the new house? There are 1000 m in 1 km. We are converting from a large unit to a smaller one so we multiply. 3 x 1000 = 3000 meters. The old house is 3000 m from the new house. 3. Jessica's shoebox is 20 centimeters long and 10 centimeters wide. How many more millimeters is the length of the shoebox than the width? Subtract to find the difference in length: 20 cm - 10 cm = 10cm. We need to convert this to millimeters. There are 10 mm in 1 cm. We are converting from a large unit to a smaller one so we multiply. 10 x 10 = 100 millimeters. The shoebox is 100mm longer than it is wide. 4. Stan walks 2 kilometers a day. How many meters does he walk in two days? Multiply to find how many kilometers Stan walks in 2 days: 2 km/ day x 2 days = 4 km. There are 1000 m in 1 km. We are converting from a large unit to a smaller one so we multiply. 4 x 1000 = 4000 meters. Stan walks 4000 meters in 2 days. 5. Carlos has a 1.2 meter long piece of wood. He wants to cut it into 3 equal lengths. How long should each piece be in millimeters? Convert the full length to millimeters. There are 1000 mm in 1 m. We are converting from a large unit to a smaller one so we multiply. 1.2 x 1000 = 1200 centimeters. Divide by 3: 1200 mm ÷ 3 = 400 mm. Each piece should be 400mm long. ------ Note: The Information below this point will not be sent to your printer -------- A Word Problems Worksheet - By HelpingWithMath.com The various resources listed below are aligned to the same standard, (4MD02) taken from the CCSM (Common Core Standards For Mathematics) as the Word problems Worksheet shown above. Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale. Example/Guidance Measurement Word Problems Lesson Money Word Problems Lesson Worksheet Converting Metric Units Money Time Similar to the above listing, the resources below are aligned to related standards in the Common Core For Mathematics that together support the following learning outcome: Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit Looking for high-quality Math worksheets aligned to Common Core standards for Grades K-8? Our premium worksheet bundles contain 10 activities and answer key to challenge your students and help them understand each and every topic within their grade level. ------ Note: The Information above this point will not be sent to your printer -------- Answer the word problems below. Highlight the important words and numbers. Remember to write you answer in a full sentence. 1. If one paperclip has the mass of 1 gram and 1,000 paperclips have a mass of 1 kilogram, how many kilograms are 8,000 paperclips? Multiply to get a total for 8,000 paperclips: 8,000 x 1 g = 8,000 g. Convert to kilograms. There are 1,000 grams in 1 kilogram. Divide by 1,000: 8,000 ÷ 1,000 = 8. 8,000 paper clips have a total mass of 8 kg. 2. Charlie's eraser has a mass of 20 grams. How many milligrams are in 20 grams? Convert 20 grams to milligrams. There are 1,000 milligrams in 1 gram. Multiply by 1,000: 20 x 1,000 = 20,000 milligrams. There are 20,000 milligrams in 20 grams. 3. Steven goes to the grocery store and is looking at a winter squash. It has a mass of 1.8 kilograms. How many grams is the winter squash? Convert 1.8 kilograms to grams. There are 1,000 grams in 1 kilogram. Multiply by 1,000: 1.8 x 1,000 g = 1,800 grams. There are 1,800 g in the winter squash. 4. Using the information in question 3, determine the number of milligrams in the winter squash. Convert grams to milligrams. There are 1,000 milligrams in 1 gram. Multiply by 1,000: 1,800 x 1,000 g = 1,800,000 milligrams. There are 1,800,000 mg in the winter squash. 5. A box contains 4 bags of sugar. The total mass of all 4 bags is 6 kg. What is the mass of each bag in grams? Convert kilograms to grams. There are 1,000 grams in 1 kilogram. Multiply by 1,000: 6 x 1,000 g = 6,000 grams. Divide by 4 to find how many grams in each bag: 6,000 grams ÷ 4 bags = 1,500 grams/ bag. There are 1,500 g in each bag. ------ Note: The Information below this point will not be sent to your printer -------- A Word Problems Worksheet - By HelpingWithMath.com The various resources listed below are aligned to the same standard, (4MD02) taken from the CCSM (Common Core Standards For Mathematics) as the Word problems Worksheet shown above. Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale. Example/Guidance Measurement Word Problems Lesson Money Word Problems Lesson Worksheet Converting Metric Units Money Time Similar to the above listing, the resources below are aligned to related standards in the Common Core For Mathematics that together support the following learning outcome: Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit This Measurement Worksheet is great for practicing converting between different metric units. The measurement worksheet will produce twenty conversion problems per worksheet. Click here for More Measurement Worksheets Practice the questions given in the worksheet on word problem on measuring length (i.e. addition and subtraction). Addition and subtraction in meters and centimetres is done in the similar way as in the case of ordinary numbers.1. Shelly purchased 40 m 200 cm long rope and Jenny purchased 16 m 370 cm long rope. What is the total length of the ropes which both of them purchased?2. Maya used 1 m 50 cm of red ribbon and 4 m 28 cm of blue ribbon to make a flower. How much ribbon did she use in all?3. Peter wants to fence the park in front of his house on three sides, which measure 152 m 40 cm, 205 m 10 cm and 310 m 39 cms. Find the total length that is to be fenced. 4. Tailor used 1 m 235 cm of cloth to make a shirt and 2 m 105 cm to make trousers. What is the total length of cloth used by the tailor to make a shirt and trousers?5. Aaron bought 15 m 380 cm curtain cloth which he found to be less. So, he again bought 9 m 560 cm in order to put curtains in the whole house. What is the total length of the cloth purchased by Aaron to make the curtains?6. Ron rides his cycle 8 km per day. How many meters does he cycle in a day?7. In a Javelin throw competition, the athlete from America threw the javelin upto a distance of 550 cm. How many meters away was the javelin?8. Mr. Jones bought a cloth of length 3890 cm. How much is the length in m and cm?9. One box is 44 cm 5 mm tall. Another box is 35 cm tall. How tall will the boxes be if both are stacked one on top of the other?10. Two wooden planks of length 12 m 60 cm and 18 m 63 cm are glued together to make a long wooden bridge. What is the total length of bridge?11. During a fire in the building, Harry the fireman needs to reach the window on fire at a height of 397 m. The length of the ladder they have can reach upto a height of 300 m 84 cm. How much length is still required to reach the window?12. The length of string of Kite A is 6588 m and that of Kite B is 7005 m. Which kite is flying higher and by how much?13. Five books of height 7 cm 5 mm each are stacked over one another. What is the total height so obtained?14. Tania is running around a square park of perimeter 3 m 20 cm. She takes 3 complete rounds of the park. What is the total distance travelled by her?15. A wall has a height of 4 m 25 cm. If each brick is 5 cm high, how many bricks were used to attain the given height of the wall.16. Ruby cycles for 3 km 44 m each day. How many km does she cycles in the month of January if she never misses a day? 17. A stack of 10 similar newspapers is 15 cm high. What is the thickness of each newspaper?18. Mike is at a distance of 10 km 150 m. She travelled 8 km 260 m by bus and the rest on a rickshaw. Find the distance travelled by rickshaw.19. Richard's house is 7 km 300 m away from school and Alex's house is 11 km 432 m away from school. Whose house is far and by how much?20. A shopkeeper bought 580 m 279 cm of cloth. He found that 192 m 309 cm of cloth was damaged. What length of cloth was in good condition?21. Ron had 54 m 20 cm of ribbon to make flowers. 29 m 39 cm was left unused. How much ribbon was used to make flowers?Answers for the worksheet on word problem on measuring length (i.e. addition and subtraction) are given below.Answers:1. 56 m 570 cm2. 5 m 78 cm3. 667 m 89 cm4. 3 m 340 cm5. 24 m 940 cm6. 8000 meters 7. 5 m 50 cm8. 38 m 90 cm9. 79 cm 5 mm10. 31 m 23 cm 11. 96 m 16 cm12. Kite B, 417 m13. 37 cm 5 mm14. 9 m 60 cm15. 8516. 94 km 364 m 17. 1 cm 5 mm18. 1 km 890 m 19. Alex's house by 4 km 132 m20. 387 m 970 cm21. 24 m 81 cm Units of time conversion chart are discussed here in hour, minute, second, day, week, month, and year. We know that there are 12 months in a year. The months of January, March, May, July, August, October and December have 31 days. The months of April, June, September and We will learn how to multiply and divide of units of measurement. We carry out multiplication and division of measurements as we do for decimal numbers: 1. Multiply 12 km 56 m by 7. Solution: 12 km 56 m = 12.056 m Hence, 12.056 × 7 = 84.392 km 2. Multiply 44 dam 28 cm by 12 We can add the units of measurement like decimal numbers. 1. Add 5 m 9 dm and 11 m and 5 dm Solution: 5 m 9 dm = 5.9 m 11 m 5 dm = 11.5 m Hence, 5 m 9 dm + 11 m 5 dm = 17 m 4 dm or 17.4 m 2. Add 15 cm 5 mm and 21 cm 9 mm In 5th grade time worksheet, students can practice the questions on units for measuring time. The questions are based on convert the time, addition of time, subtraction of time, elapsed time, Word problems on time. Sometimes we want to find out the duration of an activity. We can calculate the duration or time elapsed if we know the starting and finishing time. For example, if the bus starts at 9:00 a.m. and reaches the school at 9:30 a.m. the time taken by the bus to reach school is Practice the questions given in the worksheet on word problems on measurement of time. The questions are based on addition and subtraction of hours, minutes and seconds separately. 1. A bus leaves for Rampur at 4:30 p.m. It takes 1 hr. 25 min. to reach there. We will learn how to multiplication and division of units of time. 1. Multiply 9 hours 10 minutes by 6 Solution: First multiply minutes 10 × 6 = 60 minutes = 1 hour We carry 1 hour to hour column and write 0 in minutes column. Now, multiply hours, 9 × 6 + 1 = 55 Write 55 in Practice the questions given in the worksheet on subtraction of hours, minutes and seconds. Note: Here we need to subtract the hours, minutes and seconds separately. Find the difference of the following: 1. 84 hr. 37 min. 29 sec. - 4 hr. 29 min. 18 sec. 2. 3 hr. 28 min. Practice the questions given in the worksheet on addition of hours, minutes and seconds. Note: Here we need to add the hours, minutes and seconds separately. Find the sum of the following: 1. 3 hr. 17 min. 24 sec. + 4 hr. 32 min. 14 sec. 2. 6 hr. 10 min. 31 sec. We will learn how to addition and subtraction of units of time. 1. Add 25 minutes 45 seconds and 15 minutes 25 seconds. Solution: First add the seconds 45 + 25 = 70 seconds Convert 70 seconds into minutes and seconds 70 seconds = 60 seconds + 10 seconds Carry 1 minute to In worksheet on units of time, all grade students can practice the questions on units for measuring time. This exercise sheet on units of time have different units like second, minute, hour, day, week, month and year that can be practiced by the students to get more ideas to In 5th Grade Measurement Worksheet we will solve how to convert metric units, compare the measurements and word problems on measurements. I. Convert the following: (i) 1 kilogram = …. hectogram (ii) 1 hectogram = …decigram (iii) 1 centigram = …decameter (iv) 1 decimeter Practice the questions given in the worksheet on word problems on measurement. 1. Rachel has a rope of length 40 m. She gave 12 m 53 cm to Sam, 18 m 35 cm to Ron and 9 m 7 cm to Jack. What length of rope is still left with Rachel? Practice the questions given in the worksheet on division of metric measures. Metric measures are divided in the same way as we divide ordinary numbers. I. Divide the following: (i) 6 g 9 dg 7 cg 5 mg by 3 (ii) 4 kl 2 hl 5 dal 4 l by 2 (iii) 7 l 3 dl 6 cl 5 ml by 5 Practice the questions given in the worksheet on multiplication of metric measures. Metric measures are multiplied in the same way as we multiply ordinary numbers. I. Find the product of the following: (i) 5 kg 2 hg 7 dag 9 g × 3 (ii) 4 kl 3 hl 8 dal 7 l × 9 Measurement of Length: Standard Unit of Length Conversion of Standard Unit of Length Addition of LengthSubtraction of Length Addition and Subtraction of Measuring Length Addition and Subtraction of Measuring Mass Addition and Subtraction of Measuring Capacity 3rd Grade Math Worksheets3rd Grade Math LessonsFrom Worksheet on Word Problem on Measuring Length to HOME PAGE Didn't find what you were looking for? Or want to know more information about Math Only Math. Use this Google Search to find what you need. unit conversion word problems worksheet with answers. unit conversion word problems worksheet with answers chemistry