Click Here



Km hm dam m dm cm mm

You are here: Home - Worksheets - Metric measuring Create an unlimited supply of worksheets for conversion of metric measuring units are studied all through elementary school. Starting typically in grade 2 or 3, children practice easy conversions, such as changing a bigger unit into smaller units (4 cm into 40 mm) and the other way around (300 cm = 3 m). Later on they learn how to use decimal numbers in the conversions, such as changing a bigger unit into smaller units (4 cm into 40 mm) and the other way around (300 cm = 3 m). Later on they learn how to use decimal numbers in the conversions, such as changing a bigger unit into smaller units (4 cm into 40 mm) and the other way around (300 cm = 3 m). very easy: they only involve multiplying and dividing by 10, 100, 1000, etc. On this page you will find metric unit worksheets for: Grades 2-3 Grade 4 Grade 5 Grades 6-7 Metric units measurements and conversions, check out IXL's units of measurement lessons 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 generate the worksheets either in html or PDF format — both are easy to print. To get the PDF worksheet, simply push the button titled "Create PDF" or "Make PDF worksheet". To get the worksheet in html format, push the button "View in browser" or "Make html worksheet is not exactly what you want. Just try again! To get a different worksheet using the same options: PDF format: come back to this page and push the button again. Html format: simply refresh the worksheet below are easy, as they only involve converting a larger unit into smaller units (such as 3 m = cm) or writing a multiple of in browser Create PDF Kilometers, meters, and centimeters ($3 \text{ km} = \underline{\underline{\hspace{0.5cm}}} \text{ m or } 100 \text{ cm} = \underline{\underline{\hspace{0.5cm}}} \text{ m}$ or 100 cm = $\underline{\underline{\hspace{0.5cm}}} \text{ m}$ or 100 cm = $\underline{\underline{\hspace{0.5cm$ centimeters (3 m 24 cm = __ cmor 748 cm = __ cmor 748 cm = __ cmor 72 mm = __ cm __ mm) View in browser Create PDF Convert between liters and milliliters (6 L 250 ml = __ mlor 2,439 ml = __ L __ ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (mm, cm, m, kg, g, L, ml) View in browser Create PDF Mixed practice of all metric units in this section (Create PDF Grade 5 In grade 5, students use decimal numbers with the units of measurement. They convert for example 2.8 km into 2,800 m or 165 ml into 0.165 L. Grades 6-7 In grades 6 and 7, students continue working with decimal numbers in the conversions. They also study the various units formed with prefixes at least from milli to kilo, such as millimeter, centimeter, decimeter, decimeter, decimeter, meter, dekameter, hectometer, and kilo-. Metric system: convert between the units of length (mm, cm, dm, m, dam, hm, km) Create PDF Use the generator to make customized worksheets for conversions between measuring units. You can choose to include inches, feet, yards, miles, ounces, cups, pints, quarts, gallons, quarts, quarts units with the prefixes milli, centi, deci, deka, hecto, and kilo. Measuring Units Worksheets Level of difficulty: 1 (e.g. 2 ft = ___ in or 5 L = ___ in) 4 (always using decimals, e.g. 5.77 ft = ___ in or 9.32 m = ___ cm) The levels of difficulty work a little differently depending on whether you choose individual units or conversions between all metric units. Please check what their effect are by making a worksheet, and then come back to this page by using the 'back' button on your browser. Decimals used for the larger unit: 0 1 2 3 4 5 6 Round answers to 0 1 2 3 4 5 6 digits Again, the decimal digits work a little differently depending on the level of difficulty levels for certain type of conversions will not accept decimal digits at all. Please check what their effect are by making a worksheet, and then come back to this page by using the 'back' button on your browser. Conversions between individual units - check any number of these: Conversions in the metric system - check any of these: km, hm, dam, m, dm, cm, mm kg, hg, dag, g, dg, cg, mg kl, hl, dal, L, dl, cl, ml Page orientation: Portrait Landscape (PDF worksheet only) Font: Arial Courier Courier New Helvetica sans-serif Times New Roman Verdana Font Size: 8pt 9pt 10pt 11pt 12pt 13pt 14pt 16pt 18pt 24pt Cell Padding: Border: Extra vertical space below the problems: lines Additional units. It provides a simple overview to help you understand the conversion ← Divide by 10 First line: 1 km = 10 hm = 100 dam = 1000 m Second line: 0.001 km = 0.01 hm = 0.1 dam = 1 m Third line: 100 mm = 10 cm = 1 dm CONVERT A DISTANCE Length is a measure of process. Multiply by $10 \rightarrow \text{km hm dam m dm cm mm } 1000$ 0. 0 0 1 100 distance between two points. The metric system is based on the meter, with the most common units being the inch, foot, yard, and mile. B. How to Use Length Converter You can use the keyboard to input number and arithmetic operator: 0 1 2 3 4 5 6 7 8 9. the key can use to input number. + - () keys can use to input arithmetic operator for advanced conversions. Use this length converter to convert between different units of length. Unit Conversion Kilometer (km) 1 km = 1000 m Hectometer (hm) 1 hm = 100 m Decameter (dam) 1 dam = 10 m Meter (m) Base unit of length Decimeter (dm) 1 dm = 0.1 m Centimeter (cm) 1 cm = 0.00000001 m Unit Conversion Inch (in) 1 Inch = 0.0254 Meter Foot (ft) 1 Foot = 0.3048 Meter, 1 Foot = 12 Inches Yard (yd) 1 Yard = 0.9144 Meter, 1 Yard = 3 Feet Mile (mi) 1 Mile = 1609.34 Meter, 1 Mile = 5280 Feet, 1 Mile = 1760 Yards Nautical Mile = 6076.12 Feet Category Unit Conversion Astronomical Measurements Light-Year (ly) 1 Light-Year = 9.46073 × 1015 Meter Parsec (prc) 1 Parsec = 3.08568 × 1016 Meter Astronomical Unit (AU) 1 Astronomical Unit = 1.49598×1011 Meter Furlong and Related Units Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Furlong = 40 Rods Furlong (fur) 1 Fur Link (li) 1 Link = 0.66 Feet Rod (rd) 1 Rod = 16.5 Feet Chain (ch) 1 Chain = 66 Feet Finger (fg) 1 Finger = 0.0875 Feet Fine Measurements Thou (th) 1 Thou = 0.0138 Inches Point (pt) 1 Point (pt) 1 Point = 0.0138 Inches Point (pt) 1 Point (pt) 1 Point (pt) 1 Unit (X) = Thou (th) 1 X-Unit = $2.54 \times 10-5$ Meter = 0.001 Inches Fermi (fm) 1 Fermi = $1 \times 10-15$ Meter = 0.0762 Meter understanding of it will make it easy to do conversion. Metric Length Measurements Larger Smaller km kilo + meter dam deca + stands for meter. The meaning of hm is hectometer; h stands for meter. The meaning of dam is decimeter; d stands for meter. The meaning of cm is centimeter; c stands for meter. The meaning of dam is decimeter; d stands for meter. The meaning of dam is dam is decimeter; d stands for meter. The mea meaning of mm is millimeter. The mon the left stands for milli(0.001) and the mon the right stands for meter. You can write dam either as decameter or dekameter. Both spellings are correct! Metric Conversion Tricks I learned While I Was in Middle School Example #1Say for instance you want to convert 5 meters to millimeters. Just put 5 in the column where it says meter(m). Then, going from left to right, add zeros until you get to millimeter(mm). The table below illustrates this. Metric Length Measurements Larger Smaller km kilo + meter 0 cm centi + meter 0 cm mmExample #2Now, convert 4 dekameters to decimeters. Just put 4 in dekameter and add zeros until you get to decimeter 4 m meter 0 cm centi + meter 0 cm centi + meter 4 dekameters = 400 decimeters or 4 dam = 400 dmExample #3Convert 8 cm to meter. Put 8 in cm. Add 0 until, you get to meter hm hecto + meter dam deca + meter m meter 0 dm deci + meter 0 cm centi + meter 8 mm milli + meter 8 centimeters = 0.08 m Example #4Convert 660 centimeters to meters. Put 0 in cm, 6 in dm, and 6 in m. Again, you will go to the left since meter is on the left. The answer is 6.60 meters Metric Length Measurements Larger Smaller km kilo + meter hm hecto + meter dam deca + meter m meter 6 dm deci + meter 5 m meter 6 dm deci + meter 8 dm meter mm milli + meter Then add zeros until you get to millimeters. Metric Length Measurements Larger Smaller km kilo + meter 0 mm milli + meter 0 mm milli + meter 5 m meter 6 dm deci + meter 6 dm deci + meter 7 m millimeters to kilometers 8 millimeters and 10 millimeters are 10 mm milli + meter 10 mm millimeters are 10 mm millimeters are 10 mm millimeters are 10 mm millimeters. in millimeter and add zeros until you get to kilometers. Metric Length Measurements Larger Smaller km kilo + meter 0 m meter 3 mm milli + meter 8 758 millimeters = 0.000758 kilometers or 758 mm = 0.000758 km 660 centimeters is equal to how many meters?1 meter = 100 centimeters. This is a fraction of 600, you could easily get the answer. Notice that 100 + 100answer is then 6 + 0.6 = 6.6 meters. Metric measurementMetric conversion factors Berdasarkan Satuan panjang standar adalah meter (m). Satu meter adalah jarak yang ditempuh cahaya pada ruang hampa selama 1/299792458 detik. Terdapat pula satuan panjang dalam sistem CGS yang sering digunakan dalam riset ilmiah yaitu centimeter (cm). Satuan Panjang Konversi Satuan Panjang Konversi Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang | Satuan Panjang Konversi Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang | Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang | Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang | Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang | Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah tanda titik (.) merupakan pemisah decimal Satuan Panjang Catatan: tanda titik (.) merupakan pemisah tanda ta dengan jarak setiap titik mempunyai interval yang sama. Ini digunakan untuk mengukur dimensi secara linear, misalnya tinggi benda, lebar benda, jarak antar kota, keliling suatu bangun datar, dan lain-lain. B. Cara Menghitung Satuan Panjang Satuan Panjang yang umum digunakan di Indonesia adalah km, hm, dam, m, dm, cm, dan mm. Untuk menghitung satuan panjang dapat menggunakan tangga konversi satuan panjang km (kilometer), dam (dekameter), Mengubah satuan ke atas setiap naik satu tangga dibagi 10. Dari tangga satuan panjang di atas dapat diperoleh km = 1000 m1 mm = 0.001 m Contoh: 1 cm berapa mm? Penyelesaian: Dilihat dari tangga satuan, dari satuan cm ke mm turun 1 tangga. Sehingga diperoleh, 1 cm = 1 × 10 mm 1 cm = 10 mm Jadi, 1 cm adalah 10 mm. 1 meter berapa cm? Penyelesaian: Dilihat dari tangga satuan, dari satuan meter ke cm turun 2 tangga. Sehingga dapat diperoleh, 1 m = $1 \times (10 \times 10)$ cm1 m = $1 \times (10 \times 10)$ cm2 m = $10 \times (10 \times 10)$ cm3 naik 1 tangga. Sehingga dapat diperoleh, 1 mm = $1 \div 10$ cm1 mm = 0.1 cm Jadi, 45 hm adalah 0.1 cm. 45 hm berapa m? Penyelesaian: Dilihat dari tangga satuan, dari satuan hm ke m turun 2 tangga. Sehingga dapat diperoleh, 45 hm = 45×100 m Jadi, 45 hm adalah 4500 m. C. Satuan Lainnya 1 micrometer = 0.000001 m1 inchi = 0.0254 m1 mil (UK & US) = 1609.34 m1 kaki = 0.3048 m1 yard = 0.9144 m1 satuan astronomi = 149598550000 m1 cable = 182.88 m1 hand = 0.1016 m1 tahun cahaya = 9460528405000000 m Baca juga: Daftar Isi Pelajaran Matematika Sekian artikel Konversi Satuan Panjang. Nantikan artikel menarik lainnya dan mohon kesediaannya untuk share dan juga menyukai halaman Advernesia. Terima kasih... 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decigram dg 0.1 g centigram mg 0.001 g 1 t = 1,000 kg Quintal metric 1 q = 100 kg Units of Area square kilometer km² 1,000,000 m² square hectometer hm² 10,000 m² square decimeter dm² 0.00001 m² square decimeter dm² 0.00001 m² square meter m² 1 m² square decimeter dm² 0.00001 m² square meter m² 1 m² square decimeter dm² 0.00001 m² square meter m² 1 m² square meter m² 1 m² square decimeter dm² 0.000001 m² square meter m² 1 m² our YouTube channel for the latest videos, updates, and tips. Units of length conversion charts are discussed here in metric units of length is 'Metre' which is written in short as 'm'. A metre length is divided into 100 equal parts. Each part is named centimetre and written in short as 'cm'. Thus, 1 m = 100 cm and 100 cm = 1 mThe long distances are measured in kilometre (km) = 1000 metres. The kilometre is written in short as km. 1 kilometre (km) = 1000 metres. The kilometre is written in short as km. 1 kilometre (km) = 1000 metres. kilometre (km) = 10 Hectometres (hm) = 10 Decimetres (hm) = 10 Decimetre meterMostly we use Kilometre (km), Metre (m) and Centimetre (cm) as the units of length conversion table: 1 mile = 1760 yards 1 mile = 5280 feet 1 yard = 3 feet 1 foot = 12 inches Solved Examples on Conversion of Units -LengthConvert Metre to Centimetre 1. Convert 0.56 m in cm. Solution: We know that 1 m = $100 \text{ cm} 0.56 = 0.56 \times 100 \text{ cm}$ = 56 cm 2. Convert 9 m 25 cm into cm. Solution: Since, 1 m = 100 cm Therefore, 9 m = $9 \times 100 \text{ cm}$ = 900 cm Now, 9 m 25 cm = 9 m + 25 cm = 900 cm + 25 cm = 925 cmTherefore, 9 m 25 cm = 925 cmcmNote: To convert m into cm simply add two zeroes on the right. Convert Centimetre to Metre 3. Convert 840 cm into m. Solution: 840 cm = 800 cm + 40 cm = 8 m + 40 cm (Since, 100 cm = 1 m)= 8 m 40 cmTherefore, 840 cm = 8 m 40 cmConvert Kilometre to Metre:To convert km into m, we multiply by 1000.4. Convert 4 km 300 m $= (4 \times 1000) \text{ m} + 300 \text{ m}$ = 4300 mTherefore, 4 km 300 m = 4300 mNote: To convert km into m. Simply add three zeroes on the right. Convert Metre to Kilometre: To convert m into km, we divide by 1000.5. Convert 4245 m into km. Solution: 4245 = 4000 m + 300 minto m. Solution: Since, 1 km = 1000 m Therefore, 4 km 300 m = 4 km 245 m Therefore, 4245 m = 4 km 245 mConvert Metre Centimetre to Metre6. Convert 4 m 19 cm into mSolution:4 m 19 cm = 4 m + 19 cm Metre:7. Convert 16 km 750 m into kmSolution:16 km 750 m = 16 km + 750 m $= 16 \text{ km} + (\frac{750}{1000}) \text{ km}$ = 16 km + 0.75 km= 16.75 km 8. The length of a square tile is 125 cm. What will be the length of the tile strip in millimeters if 10 tiles are kept in a line? Solution: The length of a square tile = 125 = 1250 mmThe length of 10 square tiles = 12500 mm Time duration tells us how long it takes for an activity to complete. We will learn how to calculate the time duration in minutes and in hours. Time Duration (in minutes) Ron and Clara play badminton every evening. Yesterday, their game started at 5:15 p.m. The clock has numbers from 1 to 12 marked on its dial. These numbers divide the clock face into 12 equal parts. Between any two numbers there are 5 small divisions. Each small divisions represents a minute. So, the minute hand takes 5 minutes more from one number to the next There are 12 months in a year. The months are January, February, march, April, May, June, July, August, September, October, November and December. The year begins with the January month. December is the last month of the year. A year has 365 days.

Math Conversion ChartUnits of Mass and Weight Conversion ChartUnits of Capacity and Volume Conversion ChartUnits of Time Conversion Chart From Units of Length Conversion Charts to HOME PAGE Didn't find what you were looking for? Or want to know more information about Math. Use this Google Search to find what you need. Share this page: What's this? In Mathematics, it is required to convert the units while solving many problems. To carry out the required calculations, mathematical conversions are needed. For example, to find the area of a triangle in cm, it is necessary to convert the height in meters into centimetres. Therefore, it is required to know the conversion of units to convert a unit into the required unit. What is Conversion of Units? The use of a unit depends on the situation, such as the area of a room is expressed in meters, but the length of a pencil is expressed in centimetres and its thickness in mm. Thus, we need to understanding the convert one unit to another. Before understanding the convertion of units, we need to understanding the convertion of units, we need to understanding the convertion of units. the relationship between units. Length and Mass conversion Mensuration is an ancient concept. Every physical quantity, like length, mass, time, temperature etc., have a specific unit. By definition, a unit is a magnitude of a physical quantity. There are two systems of units: SI units (International System of Units) Metric system For example, the SI unit of length is a metre (m), while metric units are kilometre (km), meter (m), decimetre (cm) and millimetre (mm). SI unit of mass is Kilograms (kg). Importance of Mathematical Conversions In order to have accuracy and avoid confusion in measurement, we need to convert one unit to another. For instance, we do not measure the length of a pencil in kilometres. In such a case, one has to convert kilometre (cm). Generally, the conversion of one unit to another unit of length and mass. Table for Length Conversion The conversion of units related to length can be represented as: The length conversion is given in the figure above. The relation between the adjacent unit varies by the multiple of 10 (moving left to the right) and vice-versa (i.e. moving right to the left). The table for conversion of length is: Unit conversion for Length 1 millimeter 0.001 meter 1 centimeter 0.01 meter 1 decimeter 0.1 meter 1 decameter 10 meters 1 kilometer 100 meters 1 kilometer 100 meters 1 kilometer 1000 meters 1 kilometer 1000 meters 1 mile 1.609344 km Example: Convert 2 mm to dam. Solution: Given 2 mm length by 104. \Rightarrow 2 mm = 2/104 dam \Rightarrow 2 mm = 0.0002 dam Table for Mass Conversion of mass or weight can be done as shown in the below figure. The below figure 1000 gram 1 decigram 0.01 gram 1 decigram 0.1 gram 1 decagram 10 gram 1 kilogram 1000 grams Unit Conversion Table Let's have a look at some basic unit conversion of mass and length. Units of Mass 1 km = 10 dm = 100 the table above, we have seen values of units of length are not the same, i.e. 1 km ≠ 1m. When 1 km is equal to 1000 m, we need 1000 meters to make up one kilometre. This is same for 1 kg = 1000g. Conversion of units can be done in a few steps. In mathematics, we also come across time-related problems, for example, simple and compound interest, speed and distance, work, etc. The below table shows the conversion of Units for time. Conversion of units for time 1 minute 60 seconds 1 hour 60 minutes (or) 3600 seconds 1 hour 60 minutes (or of shapes. In such cases, one may need to convert the units of measure of area. The below table helps in such types of conversions. Conversions of Units for Area 1 sq. inch 6.4516 x 10-4 square meter 1 acre 4.0468 x 103 square meter 1 hectare 1 x 104 square meter 1 sq. mile 2.5888 x 106 square meter 1 points to remember: To convert bigger unit to a smaller unit to a smaller unit to a smaller unit to a bigger unit divide. Converta a smaller unit to be converted. Here we want to convert cm to km, Since km is the larger unit, thus put 1 under the corresponding column (km). Step 3: Now put 0 till the smaller unit. Here we want to convert cm to km, put 0 till the corresponding smaller unit. Thus, we need to divide the given length by 100000 (i.e. 105). 2cm = 2/105 km = 2cm = 0.00002 km Example 2: Convert 5 grams to milligrams. Solution: We have to convert 5 grams to milligrams. We know, 1 g = 1000 mg To solve more problems on the topic, download BYJU'S - The Learning App and watch interactive videos. Also, take free tests to practice for exams. Free Length or Distance unit converter. Units of Length & Distance: meter (m), millimeter (mm), centimeter (mm), decimeter (dam), decimeter (dam), decimeter (dam), hectometer (dam), hecto (m), millimeter (mm), centimeter (mm), decimeter (dm), decimet tools. Units of Length & Distance: meter (m), millimeter (mm), centimeter (cm), decimeter (dm), decimeter (dm), hectometer (d

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