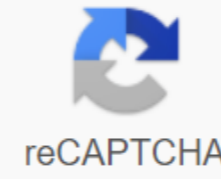




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## Age problems worksheet

MathScore EduFighter is one of the best math games on the internet today. You can start playing for free! Age Problems – Sample Math Practice Problems The following math problems can be generated MathScore.com, the math practice program for schools and individual families. Links to complexity and mode refer to the general difficulty of problems as they appear in the main program. In the main program, all problems are automatically classified, and the difficulty dynamically adapts to performance. Answers to sample questions appear at the bottom of the page. This page does not classify responses. Want unlimited math worksheets? Learn more about online math practice software. Check out some of the other supported math practice issues. In order to continue to enjoy our site, we ask you to confirm your identity as a human. Thank you so much for your cooperation. Problem 1: Martin is four times his brother Luther's current age. After 10 years, he'll be twice his brother's age. Find their current age. Solution : Let x and y be the current ages of Martin and Luther. Given: Martin is four times his brother Luther at present. Then  $x = 4y$  ----(1)Given: After 10 years, Martin will be twice his age as his brother Luther. Then  $x + 10 = 2(y + 10)$  $x + 10 = 2y + 20$ Subtract 10 from both sides.  $x = 2y + 10$  ----(2)From (1) and (2),  $4y = 2y + 10$ Subtract 2y from both sides.  $2y = 10$  Divide both sides by 2.  $y = 5$ Substituting 5 in (1), (1)----&gt;  $x = 4(5)$  $x = 20$  So martin and Luther have a current age of 20 years and 5 years respectively. Problem 2: A father is 30 years older than his son and a year ago he was four times his age as his son. Find the age of his father and son. Solution : Let x and y be the current age of the father and son. Given: A father 30 years older than his son. Then  $x - 1 = 4(y - 1)$  $x - 1 = 4y - 4$ Add 1 on each side.  $x = 4y - 3$  ----(2)From (1) and (2),  $y + 30 = 4y - 3$ Subtract y from both sides.  $30 = 3y - 3$ Add 3 on both sides.  $33 = 3y$  Share both sides by 3.  $11 = y$  substitute in y in (1), (1)----&gt;  $x = 11 + 30x = 41$  So the current age of the father and son is 41 years and 11 years, respectively. Problem 3: The age of Abraham and Adam is 5: 7. Four years from now, their age will be 3:4. Find their current age. Solution : Given: The age of Abraham and Adam is the ratio 5: 7Then, the age of Abraham = 5xage Adam = 7xFour years later, age of Abraham = 5x + 4age Adam = 7x + 4Sold : After four years, the ratio of their age will be 3: 4Then, (5x + 4) : (7x + 4) = 3 : 4 (5x + 4) / (7x + 4) = 3 / 44(5x + 4) = 3(7x + 4)20x + 16 = 21x + 12Subtract 20x from both sides.  $16 = x + 12$ Subtract 12 from both sides.  $4 = x$ Then5x = 5(4) = 207x = 7(4) = 28 So the current ages of Abraham and Adam are 20 years and 28 years. Problem 4: Airi's mother is four times airi's age. After five years, her mother will be three times her age. Find their current age. Solution : Make x and y the current age of Mother and Airi. Given: Airi's mother is four times an old one like Airi. Then,  $x = 4y$  ----(1)Given: After five years Airi's mother will be three times as old as Airi will be then. Then  $x + 5 = 3(y + 5)$  $x + 5 = 3y + 15$ Subtract 5 from both sides.  $x = 3y + 10$  ----(2)From (1) and (2),  $4y = 3y + 10$ Subtract 3y from both sides.  $y = 10$ Substituting 10 in (1), (1)----&gt;  $x = 4(10)$  $x = 40$ The current age of airi's mother and Airi is 40 years and 10 years, respectively. Problem 5: The amount of the current korkkja Kiran and Kate 60 years. If the current age ratio is 7:8, find your current age. Solution : Let x and y be the current era of Kiran and Kate. Given : The ratio of the current korkkja Kiran and Kate 7: 8Then, current age of Kiran = 7xpresent age of Kate = 8xGiven : The amount of the current korkkja Kiran and Kate 60 years. Then  $7x + 8x = 60$ 15x = 60 Share both sides by 15.  $x = 4$ Then,  $7x = 7(4) = 28$  $8x = 8(4) = 32$  So Kiran and Kate are current ages 28 years and 32 years, respectively. Problem 6: Andrea is three times her age as her sister Anu. Three years ago, she was less than four times her sister's age two years ago. Find their current age. Solution : Make x and y andrea ikor or Anu. Given: Andrea is three times her age as her sister Anu.  $x = 3y$  ----(1)Since: Three years ago, Andrea was two years less than four times her sister Anu. Then  $x - 3 = 4(y - 3) - 2x - 3 = 4y - 12 - 2x - 3 = 4y - 14$ Add 3 on each side.  $x = 4y - 11$  ----(2)From (1) and (2),  $3y = 4y - 11$ Subtract 3y from both sides.  $0 = y - 11$ Add 11 on each side.  $11 = y$  substitute 11 in y (1), (1)----&gt;  $x = 3(11)$  $x = 33$  So Andrea and Anu have a current age of 33 years and 11 years, respectively. Aside from the stuff given above, if you need other things in math, please use google custom search here. If you have any feedback on our math content, please email us at [v4formath@gmail.com](mailto:v4formath@gmail.com)! always appreciate your feedback. You can also visit the following websites for different things about mathematics. WORD PROBLEMSHCF and LCM word problemsWord problems Simple equations Word problems linear equations Word problems second-degree equationsAlgebra word problemsWord problems trainsArea and circumference word problemsWord direct change and inverse variation Word problems unit priceWord problems unit rate Word problems compare pricesConverting standard units word problems converting metric units word problemsWord problems simple interestWord problems complex interest Word problems type angles complementary and additional angle s word problemsDupla facts word problems Trigonometry word problemsPercent word problems Profit and loss word problems Marking and markdown word problems Decimal word problemsWord problems fractionsWord problems mixed fractionsOne step equation word problemsLinear disparities word problemsRatio and rate word problemsTime and work word problemsWord problems with presets and venn diagramsWord problems agesPythagorean theorem word problemsPercent is a number of word problemsWord problems constant speedWord problems average speed Word problems sum the angles of a triangle 180 degreesOTHER TOPICS Profit and loss shortcutsPercent shortcutsTimes tablesshortcuttime, speed and distance shortcutsRatiokés ratio referencesDomain and a number of rational functionsDomain and a number of rational functions HolesGraphing rational functionsGraphic rational functions holesRe repeating decimal places conversion of rational numbers to decimal representationsSquare-heart find long divisionL.C.M method to solve time and work problemsTranslating word problems into algebraic expressionsRemainder if 2 power 256 divided by 17Remainder, if 17 power is divided by 23 16Total can be divided by 6Three digits of all three digits, all three digits can be divided by the sum of 7Összeg from all three digits, which can be divided into 8Összeg in 1 of all three digits , 3. 4Sum all three four-digit numbers formed by non-zero digitsSum all three four-digit numbers created using 0, 1, 2, 3Sum all three four-digit numbers formed on the basis of 1, 2, 5, 6 copyright onlinemath4all.com SBI! Related Pages word problems affecting ages solving Age Word problems using Algebra More Algebra Lessons to solving Age problems If the problem involves a person, it is similar to an entire problem. Read the problem carefully to determine the relationship between the numbers. See the example in which a single person. In these lessons, we learn how to solve age problems that involve the age of two or more people. In this case, using a table would be a good idea. The table helps you organize information and write equations. This can be seen in the following age words, which affect more than one person. Age problems affecting more than one person Example: John is twice his age as his friend Peter. Peter's five years older than Alice. In five years, John will be three times Alice's age. How old is Peter now? Workaround Step 1: Set up a table. Step 2: Fill the table with information on the issue. John's twice his age as his friend Peter. Peter's five years older than Alice. In five years, John will be three times Alice's age. How old is Peter now? Let x peter's age now. Add 5 to get to the age of 5 years. Enter the new link in an equation using the ages of 5 years. In five years, John will be three times Alice's age.  $2x + 5 = 3(x - 5 + 5)$   $2x + 5 = 3x$  Isolate variable x  $x = 5$  Answer: Peter is now 5 years old. Example: John's father is 5 times older than John, and John is twice his age as his sister Alice. In two years, their age will be 58. How old is John now? Workaround Step 1: Set up a table. Step 2: Fill in the table with the information provided in the question. John's father is 5 times older than John and John are twice his age as his sister Alice. In two years, their age will be 58. How old is John now? Make it x john's age now. Add 2 to get to the age of 2 years. Enter the new link in an equation using the ages of 2 years. In two years, their age will be 58. Answer: John is now 8 years old. Video Lessons - More examples of Age Word problems Example: Mary is 3 times as old as her son. In 12 years, Mary's age will be a year less than twice her age. Find their age. Keep in mind that to resolve this problem, you need a chart to organize the information. The rows in the chart are Mary and Son, and the columns in the chart can be labeled age now and 12 years later. The chart is then used to set up the equation. Show Video Lesson Examples: Sue is 5 years younger than Brian. In seven years, their age will be 49 years. How old are they now? Maria is 10 years older than Sonia. Eight years ago, Maria was three times Sonia's age. How old are they now? Show Video Lesson Examples: The amount of age of a man and son is 82 years. How old are they if, 11 years ago, the man was twice his age as his son? The age of a woman and her daughter is 38 years. How old are they if she triples her daughter's age in nine years? Show Video Lesson Examples: Salman is 108 years old. Jonathan is 24. How many years does it take for Salman to be exactly four times jonathan's age? Tarush is five times Arman's age today. How old is Arman today? Show Video Lesson Example: Zack is four times salman's age. Zack is three years older than Salman. How old is Zack? Show Video Lesson Examples For Practice: so 8 years older than Marco. In four years, he'll be twice Marco's age. How old is that? Abbie's age and Iris's age are 42. 11 years ago, Abbie was three times Iris's age. How old is Abbie in two years? Try the free Mathway calculator and problem solver below to practice a variety of math themes. Try the examples you provided, or type problem and check the answer to the step-by-step explanation. We welcome your feedback, comments and questions on this site or site. Please submit your feedback or questions via the Feedback page. Page.