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Direct proportion Solving Direct Proportion Problems Solving ~~Direct Proportion Problems~~ Direct and Inverse proportion Math Antics - Proportions Ratio and Proportion Word Problems Math Direct and Indirect Proportion

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~~GCSE Maths Revision – Direct and Inverse proportion~~

8 Math - Direct and inverse proportion - Identifying a direct proportion and solving problems -1

Inverse Proportion | Ratio \u0026 Proportions | Maths | FuseSchool

Art of Problem Solving: Direct Proportion Maths - Solving inverse proportion word problems - English GED 2018 Math (Rates Ratios and Proportions)

Constant of Proportionality - 10.711.04 ~~Direct and inverse proportions (Compound proportion 03)~~ Examples of Proportion Problems Ratios - Introduction and word problems Direct and Inverse Proportion (3 variables) - Questions and Worked Solutions Direct and

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Inverse Proportion Directly proportional Introduction to Direct Proportion Solving Direct Proportions

Indirect proportion

2. Ratio \u0026amp; Direct Proportion: Questions \u0026amp; Answers ~~Direct and Inverse Proportion~~ Maths - What is direct proportion \u0026amp; solving direct proportion problem - English ~~Direct Proportion~~ Direct and inverse proportions(Direct proportion-01) ~~Ratios and Proportions With Word Problems!~~

How to solve Direct and Inverse proportion problems ~~Direct Proportion Problems Solutions~~ Direct proportion Two quantities are in direct proportion when they increase or decrease in the same ratio. For example, you could increase something by doubling it

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or decrease it by halving. When...

~~Direct proportion recipe problems BBC Home~~

A worksheet on direct proportion. The problems require to calculate the constant of proportionality using the given information and then use the resulting equation to calculate the value of the one of the two variables given the value of the other. Detailed solutions are included. From <https://placeformath.blogspot.com/p/worksheet-shop.html>

~~Direct proportion worksheet (with solutions) | Teaching ...~~

Solution: $\left(\frac{125}{3}\right) =$

$\left(\frac{y}{5}\right) \Rightarrow y =$

$\left(\frac{125}{3}\right) \times 5 \Rightarrow y =$

$\left(208\frac{1}{3}\right)$ Answer: He

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traveled $\left(\frac{1}{3}\right)$ miles.

Basic Proportion Problems

Example: Use proportions to find the missing value
1) 8 inches in 25 minutes ; 28 inches in x minutes
2) 3 gallons in 7 hours ; x gallons in 20 hours

~~Proportion Word Problems~~

~~(solutions, examples, videos)~~

Direct and Inverse Proportion

Practice Questions Click here for Questions . Click here for Answers Practice Questions

~~Direct and Inverse Proportion~~

~~Practice Questions ...~~

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~~Solving Direct Proportion Problems - YouTube~~

We would double the amount of blue paint. $4 \times 2 = 8$. We would double the amount of red paint. $3 \times 2 = 6$. We would need 8 cans of blue and 6 cans of red paint. Here are some more examples of the types of problems that can be solved using direct proportion. You have found that a good ratio of pizzas to people is 1:3.

~~Direct Proportion | Helping With Math~~

How To Solve Word Problems Using Proportions? This video shows how to solve word problems by writing a proportion and solving it. A recipe uses 5 cups of flour for every 2 cups of sugar. If I want to make a recipe

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using 8 cups of flour, how much sugar do I use? 2. A syrup is made by dissolving 2 cups of sugar in $\frac{2}{3}$ cups of boiling water.

~~Direct & Inverse Proportions (Indirect Proportions) with ...~~

Direct proportion Questions and Answers. Q.1: An electric pole, 7 meters high, casts a shadow of 5 meters. Find the height of a tree that casts a shadow of 10 meters under similar conditions. Solution: Let the height of the tree be x meters. We know that if the height of the pole increases the length of shadow will also increase in same proportion.

~~Direct Proportion Definition, Symbol, Examples, Solved ...~~

Example 1: Direct Proportion. y is

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directly proportional to x . When $y = \text{\textcolor{red}\{24\}}$, $x = \text{\textcolor{blue}\{8\}}$. Work out the value of y when $x = \text{\textcolor{blue}\{2\}}$. [3 marks]
Step 1: We have that y is directly proportional to x , i.e. $y \propto x$. Then, expressing this as an equation we get $y = kx$

~~Direct and Inverse Proportion Questions | Worksheets and ...~~

Direct and inverse proportion
Proportion is used to show how quantities and amounts are related to each other. The amount that quantities change in relation to each other is governed by proportion...

~~Direct and inverse proportion~~
~~Direct and inverse ...~~

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Solved Problems. Problem 1 : y is directly proportional to x . Given that $y = 144$ and $x = 12$. Find the value of y when $x = 7$. Solution : y directly proportional to x . Then, $y = kx$ Substitute $y = 144$ and $x = 12$. $144 = 12k$ $12 = k$ Then, $y = 12x$. Substitute $x = 7$. $y = 12(7)$ $y = 84$. Problem 2 : y is inversely proportional to x .

~~Direct Proportion and Inverse Proportion~~

With direct proportionality we have $c = x / y$ which we can also express that as $c / 1 = x / y$ and solve for c using the calculator above. If $y = 5$ for $x = 20$, then we have $c / 1 = 20 / 5$ hence $c = 4$. If $y = 5$ for $x = 20$, then we have $c / 1 = 20 / 5$ hence $c = 4$.

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~~Proportion Calculator — Proportion Calculation Solver~~

Proportion word problem: hot dogs. Practice: Proportion word problems. This is the currently selected item. Multi-step ratio and percent problems. Next lesson. Equations of proportional relationships. Proportion word problem: hot dogs. Multi-step ratio and percent problems. Up Next.

~~Proportion word problems (practice) | Khan Academy~~

Two variables a and b are said to be in the direct proportion if both of them increase (or decrease) together such that the ratio of corresponding values remains constant. i.e. a and b are in direction proportion in only the

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following cases. i) a increases when b increases

~~Algebra: What is Direct Proportion? | Free Homework Help~~

The rate of increase of a certain population P at time t is directly proportional to the population P at time t . Given that $P = 4$ when $t = 0$ and $P = 8$ when $t = 1$. Find P when $t = 3$.

~~Direct proportion type | Exam Solutions~~

Directly proportional: as one amount increases, another amount increases at the same rate.

~~Directly Proportional and Inversely Proportional~~

Suppose that 20 men build a

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house in 6 days. If the number of men is increased to 30 then they take 4 days to build the same house. If the number of men becomes 40, they take 2 days to build the house

~~Inverse Proportion | eMathZone~~

Direct Proportion Direct proportion is when two quantities change in the same way. If you can multiply the first quantity by the same number (called a constant) to get the second quantity, they are in direct proportion.

~~Direct Proportion — Xcelerate Math~~

The Corbettmaths video tutorial on direct proportion. Videos, worksheets, 5-a-day and much more

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