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## Ex 1

- (a) Complete the scale markings on the x-axis.
- (b) Write the equation of the graph.
- (c) Write the coordinates of the max. and min. TPs.







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| ectangle<br>Square | Rhombus<br>Kite                       | Trapezium<br>Parallelogram  |
|--------------------|---------------------------------------|---|
| F                  | Oppos                                 | ite sides equal<br>ite sides parallel<br>angles                           |
|                    | Oppos<br>Diagor                       | es equal<br>ite sides parallel<br>nals cross at right angles<br>nt angles |
| с                  | Name:<br>All side<br>Oppos<br>4 right |   |
| A                  | Name:<br>2 pairs                      |   |
| G                  | Name:<br>1 pair o                     | of parallel lines   |
| *                  |                                       | of parallel sides<br>ht angles  |

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## What is similar shapes. Congruent and similar shapes worksheet gcse. Which shapes are similar worksheet. Similar shapes worksheet gcse foundation. Similar shapes worksheet gcse pdf.

The relations for the corresponding lengths are the same 1: 2. The relationship of the bases is \; \; 3: 9 that simplifies \ quad \ ; \; 1: 3 not corresponding sides are the same. There are two similar forms. A jigulo aeb = angle ADC (corresponding ngles) angle Abe = angle acd (corresponding genes) Relap again the triangles from side to side. The rectals are similar forms. Are these forms similar? The corresponding ones are all the same, 45<sup>o</sup> and 135<sup>o</sup>. The relationship of the EB lengths: DC is also 1: 1.6 we can use scale factor 1.6 as a multiplier to find the missing length. We use essential and non -essential cookies to improve the experience on our website. \ Begin {aligned} \ text { length } b \\\\ 1 & :: 4 \ end {aligned} We can use the 2^2 o 4 scale factor as a multiplier to find the missing spine. The sides AB and PQ are a couple of corresponding sides. Download Free X Obtain your working sheet from similar forms of more than 20 questions and answers. Angle Eab = Angle Dac, since they are common to both triangles, there are a couple of parallel sides, EB and DC. The relationship of the corresponding sides is \; \; 9: 6 that simplifies \ quad \ } \\\A &: \ text {volume} \ b \\\ 1^3 &: 1.5^3 \\\\ \ text {which is simplified at -} \ \ \ \ 1 &: 3,375 \ end {aligned} We can use the volume scale factor 1.5^3 or 3,375 as a multiplier to find the missing volume. Here the form has turned to make the similarity more easy to see. Combine the sides that have measures. Make sure to combine the side mentioned in the question. Use the genes to help you. Use facts to determine which are the same. Combine the sides that have measurements. (a)  $\tilde{a} \notin$  Write the size of the Orulo and (b)  $\tilde{a} \notin$  Solve the value of x (3 points) (a) y = 56 (1) (b) x: 11 = 4: 8 The factor of scale is \ fraud {1} {2} = 5.5 (1) 3. Check if the relationships are the same. The bases of the rectals are a couple of corresponding sides. Be is parallel to CD. The units are all 90 or the relationship of the heights is also 1: 2, p. These two parallelograms are similar forms. It makes the problem much more easy if you draw the triangles again next to each other to make it easier to match the corresponding sides. The relationships for the corresponding lengths are not the same, so these forms are similar forms. The relation of the ae lengths: ad is 5: 8 that is simplified to 1: \ fraud Find the missing long. \ Begin {alledned} & \ text {a} \ quad \; \, 3^3 \ end {aligned} Guide step by step: scale factor to decide if forms are similar: decide quados are pairs of corresponding sides. Check if the proportions of the sides. Check if the proportions are the same. The relationship of the bases is 7:20 This can be written as 1: \ fraud  $\{20\}\$  {7} or 1: 2,857 ... weekly in line to a GCSE Maths review lessons delivered by expert mathematics tutors.  $x = 7 \$  times 1.6 = 11.2 The value of x, x = 11.2 has been found alternatively, an equation can be formed and resolved: to find an  $\tilde{a}_{j}$  rea or volume using similar forms: Find the scale factor. Use the scale factor to find the lost value. The forms can be similar, but in different orientations, the second way can be in a different orientation than the first form. The ways can be similar. Eg by scale factor 2. The relation of the lengths AB: PQ is 9:27 that is simplified to 1: 3 this gives a schem of rectangular ABCD extension to rectangular pqr of 3. What is form similar to the x form? The AE and AD sides are a couple of corresponding sides. ABC and DEF triangles are similar. If you find a missing length in the most large form, it can be multiplied by the scale factor will be a number between 0 and 1. Prepare the value of x. Find the proportions of the sides. But we want a Def a ABC scale factor that will be \ fraud {1} {2}. When writing the proportions, the order is very important. The BC and CE sides are a couple of corresponding sides. Acb -in -the name of vertically opposite levels are equal. There are a couple of parallel sides, AB and de. This means that there are equal ones since there are equal. and the corresponding lengths are in the same relationship. These two rectals are similar forms. The scale factor of In the form A to the form B is 2. here the relationship of the heights is 2: 4 that is simplified to 1: 2 3 check if the relationships are the same. Decides quados are pairs of corresponding sides. Includes reasoning and applied questions. The relationship of the short sides is \; \; 4: 2 that simplifies \ quad \ quad \; 2: 1 The relationship of the bases are \; \; 6:12 that simplifies \ quad \ quad \; 1: 2 The extension scale factor is 1.5 x = 8 \ times 1.5 = 12 The relation of the bases is \; \; 1: 1.5 The scale The enlargement factor is 1.5 x = 8 \ times 1.5 = 12 Use the parallel lines to identify equal ones ". Then we can find corresponding pairs. Find the length bc. A, important. "\ matter . To work the volume scale factor we cover the long scale factor. The missing side has been found. The relationship of the lengths BC: EC is also 1: 2.5 we can use the of scale 2.5 as a multiplier multiplier Find the missing length. E.g. Comparation of length A and length b We can solve the scale factor to be 3. x = 5 \ Times 2.5 = 12.5 The value of x, x = 12.5 alternately has been found alternative. The AC and DC sides are a couple of corresponding sides. Then we can find corresponding sides. Then we can find corresponding sides. Then we can find corresponding sides. with your proportions. ABC and AED are straight lines. The heights of the triangles are a couple of corresponding sides. Be sure to match the side mentioned in the question. Use the scale factor to find the missing length. 60 \ Times 4 = 240 The one of form B is 240 \; CM^2 Alternatively, it can form an equation to solve: These two ways are similar. The volume of form A is 400 \; Cm^3. Find the volume of form B: Use the given information to write a relationship and calculate the scale factor. Read our cookies and how to manage or change the configuration of your cookies. Accept the audience and cookies policy Download free? Are these similar forms? Get your work sheet of free forms of more than 20 questions and answers. The heights of the rectals are a couple of corresponding sides. As we are finding a loss, we need to square the length relationship and square the scale factor. The relationship and square the scale factor. multiplier to find the missing length. 1: 3 and 2: 6. (1 brand) 2. 18 \ Times \ fraud {1} {2} = 9 The missing side in a couple of triangles are similar: use the facts of Érulo to determine what are they are the triples next to each other. Decide which are pairs of corresponding sides. Find the scale factor. Use the scale factor to find the missing length. Look for equal ones. Here "we are" "awill" Å "ã ¢ â,¬ Å " a ¢ a,¬ Å a ¢ a,¬ Å " a ¢ a,¬ Å " a ¢ a,¬ Å a ¢ a,¬ Å a `  $\tilde{a} \notin \hat{a}, \neg \hat{A}$  "be  $\hat{a}, \neg \hat{A}$ "  $\tilde{a} \notin \hat{a}, \neg \hat{A}$ "  $\tilde{a} \notin \hat{a}, \neg \hat{a} \notin \hat{a}, \neg \hat{A}$ "  $\tilde{a} \notin \hat{a}, \neg \hat{a} \notin \hat{a} \end{pmatrix}$ original shape. And we can solve the scale factor as 9. This is the same as 3^2. When writing the proportions, the order is very important. A &: \ text {length} \; b \\\\ 5 &: 10 \ matter missing value. To find a missing side in a couple of similar ways: decide quados h Oh corresponding sides. Find the scale factor to find the missing value. length. Use the scale factor to find the missing length. To work on the scale of the end -scale factor. Ad = 10.5 \; Cm exercises the length cd (2 marks) \ begin {aligned} CD: be & = ad: ae \\ cd: 6.8 & = 10.5:  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus$  end {aligned} CD: be  $\& = ad: ae \setminus cd: 6.8 \& = 10.5$ :  $7.5 \setminus ed \in [ad: ae \setminus cd: 6.8 \& = 10.5]$  and  $[ad: ae \setminus cd: 6.8 \& = 10.5]$ . Compare the lengths using the notation of the relationship and/or the scale of scale trigonicirypypythagoras prepare their students ks4 for the a a a couple of corresponding sides. Triangles are not similar forms. The form of form A is 60 \; cm^2. Find the wire of the form B: Use the information given to write a relationship and calculate the scale factor. A angle abc = angle ced (alternative genes) angle bac = angle CDE (alternative levels) Draw the triples again next to each other. The relationship of the lengths BC: qr is also 1: 3 we can use scale factor 3 as a multiplier to find the missing length. The sides BC and QR are a couple of corresponding sides. The relationship of the corresponding sides is \; \; 4:12 that simplifies \ quad \ The sides EB and DC are a pair of sides corresponding. The enlargement scale factor of the form A at the form B is 3. The relationship of the lengths AC: DC is 4: 10 that simplifies 1: 2.5 This gives a scale factor of From ABC to CDE of 2.5 Use the scale factor of From ABC to CDE of 2.5 Use the scale factor of the lengths AC: DC is 4: 10 that simplifies 1: 2.5 This gives a scale factor of From ABC to CDE of 2.5 Use the scale factor of the lengths AC: DC is 4: 10 that simplifies 1: 2.5 This gives a scale factor of From ABC to CDE of 2.5 Use the scale factor of From ABC to CDE of 2.5 diagrams, the diagrams are not drawn for often diagrams for questions that involve similar forms are not drawn to the scale. Therefore, use measures measures measures measures measures for you. These two figures are similar. Decides quados are pairs of corresponding sides. mentioned in the question. Use the genes to help you. Get information about our GCSE Mathematics Review Program. The relation of the bases is 3: 9 that simplifies 1: 3 the relationship of the same. same.

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