

Wonder Woman

You have vanquished Batman, Hawk-girl, Thor, Black widow, Superman, Catwoman and Ironman to get here; this is the final confrontation before you can be called a maths superhero! Nothing remains but to say... Good luck, maths warrior!



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|------------------------|----------------------|---------------|----------------------|---------------|----------------------|
| $\frac{1}{2}$ of 28 = | <input type="text"/> | 50% of 30 = | <input type="text"/> | 0.2 of 25 = | <input type="text"/> |
| $\frac{1}{4}$ of 48 = | <input type="text"/> | 12.5% of 56 = | <input type="text"/> | 0.1 of 12 = | <input type="text"/> |
| $\frac{2}{3}$ of 18 = | <input type="text"/> | 75% of 28 = | <input type="text"/> | 0.75 of 400 = | <input type="text"/> |
| $\frac{3}{5}$ of 45 = | <input type="text"/> | 33.3% of 33 = | <input type="text"/> | 0.6 of 60 = | <input type="text"/> |
| $\frac{2}{8}$ of 48 = | <input type="text"/> | 80% of 120 = | <input type="text"/> | 0.25 of 36 = | <input type="text"/> |
| $\frac{1}{10}$ of 12 = | <input type="text"/> | 20% of 55 = | <input type="text"/> | 1.1 of 120 = | <input type="text"/> |
| $\frac{3}{10}$ of 60 = | <input type="text"/> | 25% of 56 = | <input type="text"/> | 0.66 of 66 = | <input type="text"/> |
| $\frac{3}{4}$ of 36 = | <input type="text"/> | 150% of 26 = | <input type="text"/> | 1.5 of 58 = | <input type="text"/> |

For the next round of problems you need to work out the whole number when given a fraction, decimal or percentage. i.e.

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|---------------------|---------------------------------|------------|---------------------------------|
| $\frac{3}{4} = 12$ | <input type="text" value="16"/> | | |
| $\frac{1}{2} = 14$ | <input type="text"/> | 50% = 27 | <input type="text"/> |
| $\frac{1}{4} = 13$ | <input type="text"/> | 33.3% = 40 | <input type="text"/> |
| $\frac{4}{10} = 12$ | <input type="text"/> | 75% = 27 | <input type="text"/> |
| | | | 0.2 = 0.2 <input type="text"/> |
| | | | 0.1 = 13.2 <input type="text"/> |
| | | | 0.75 = 30 <input type="text"/> |

Wonder Woman

$3/5 = 36$

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$7/8 = 56$

$9/10 = 81$

$40\% = 1.2$

$80\% = 48$

$20\% = 1.8$

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$0.7 = 560$

$0.25 = 12.5$

$0.375 = 12$

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Wonder Woman is stunned; only these last few word problems lay between you and maths immortality!

1. There are 24 hours in a day and scientists tell us that we should sleep for $\frac{3}{8}$ of the day. How much time should we spend sleeping?

2. Footballs cost £36 each in my local store. The shopkeeper says if I buy one, I can buy another for only $\frac{7}{9}$ of the normal price.

How much would the second pack cost?

3. Last year, Mr. Daniel weighed 60 kg. This year he weighs 40% more. How much does Mr Daniel weigh this year?

4. Miss Sylvia has £2000, which is 25% of the money she needs to buy a car. How much more does she need?

5. Abdul gets 5% interest on his savings. If he has £60 in the bank, how much interest will he receive?

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|----------------------------------|-----------|
| Your time | |
| Time needed to beat Wonder Woman | 5 minutes |