

# Rules For Conversion Conundrum

## Objective

One definition of a "conundrum" is that it is an intricate and difficult problem. In this game, you will be given a list of values and asked to change or convert those values to their equalities. At least four choices will be given for you to select from. The conversions will include both metric and English conversions. The examples below have the correct answers underlined.

Example #1. 125 meters equals...

- a. 12,500 cm      b. 12.5 km      c. 1,250 mm      d. 1.25 dm

Example #2, 1.0 cubic meter equals...

- a. 1 liter      b. 10 liters      c. 100 liters      d. 1,000 liters

Example #3, 1 gallon (US liquid measure) equals

- a. 378 Liters      b. 37.8 Liters      c. 3.78 Liters      d. 0.378 Liters

Example #4, 1 pound equals

- a. 4.54 kg      b. 0.454 kg      c. 0.0454 kg      d. 0.00454 kg

## Grading

Teams will select the best answer from the choices given and neatly draw an "X" on their answer sheet through letter of their choice for each question.

## Participants

Teams of two members are permitted with a maximum of two teams per school. There will be a maximum of 30 teams.

## Materials

Groups will be given one envelope of Conversion Conundrum Questions, pencils, paper, and answer sheet. Participants may use no calculators or any other electronic devices.

## Rules

1. The first 30 teams lined up will participate. Your school team will be seated on the floor.
2. A single answer sheet will be provided and time allotted to fill in required information.
3. All teams will receive an envelope containing two blank sheets of paper, two pencils, and the same 10 Conversion Conundrum Questions on two separate sheets of paper, one for each team member. The sequencing of questions may vary from team to team.
4. Only when directed to do so, will teams open the envelope and begin answering the questions. Teams will be given 20 minutes to answer as many questions as possible, marking appropriate answers on the provided answer sheet.
5. Judges will advise periodically of time remaining. When judges indicate time is up, all marking of answers must cease or the team will be disqualified.
6. Answer sheets will be collected and scored.  
Announcement of the top three scoring teams will be made as soon as possible.  
Additional Conversion Conundrum Questions will be used to break ties.
7. Teams will be disqualified for "sharing" any information with other teams.

There are purposely more questions than can be easily answered within this time limit. However you will answer more of them if you concentrate on estimating quantities, rather than trying to calculate them exactly.