

Calculating Mechanical Advantages

Calculate the Mechanical Advantage in each case:

1. effort/force 200N, load/weight 400N, rope 10m, distance from effort to load 20m, distance from effort to pulley 10m

Calculate: (MA) Input: 20

The mechanical advantage of system is 10 N.

2. effort/force 100N, load/weight 200N, rope 10m, distance from effort to pulley 10m, distance from effort to load 20m, distance from effort to pulley 10m

Calculate: (MA) Input: 10

The mechanical advantage of this simple machine is 10.

3. effort/force 100N, load/weight 200N, rope 10m, distance from effort to pulley 10m, distance from effort to load 20m, distance from effort to pulley 10m

Calculate: (MA) Input: 10

The mechanical advantage of this is 10, 10 or 10.

4. effort/force 100N, load/weight 200N, rope 10m, distance from effort to pulley 10m, distance from effort to load 20m, distance from effort to pulley 10m

Calculate: (MA) Input: 10

The mechanical advantage of this is 10 N.

Physical Science Calculating Mechanical Advantages

Ronald Spadafora



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FCS physical science L2 ,2007 **FCS Physical Science L3** Karen Morrison,2008 **Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science** ,2003-11 Prentice Hall

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Jungnickel, Russell McCormach, 1990-09-24 Winner of the 1987 Pfizer Award of the History of Science Society A majestic study of a most important epoch of intellectual history Brian Pippard Times Literary Supplement The authors use of archival sources hitherto almost untouched gives their story a startling vividness These volumes are among the finest works produced by historians of physics Jed Z Buchwald Isis The authors painstakingly reconstruct the minutiae of laboratory budgets instrument collections and student numbers they disentangle the intrigues of faculty appointments and the professional values those appointments reflected they explore collegial relationships among physicists and they document the unending campaign of scientists to wring further support for physics from often reluctant ministries R Steven Turner Science Superbly written and exhaustively researched Peter Harman Nature

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Avionics Technician (AQ/AT/AX) 3 & 2 Dennis A. Whitaker, 1987

Teaching Science Fact with Science Fiction Richard Raham, 2004-08-17 The literature of science fiction packs up the facts and discoveries of science and runs off to futures filled with both wonders and warnings Kids love to take the journeys it offers for the thrill of the ride but they can learn as they travel too This book will provide you with an overview of the past 500 years of scientific thought and the literature of science fiction which it inspired suggestions for finding and adapting the kind of science fiction that will work best for your classroom detailed ideas and resources for teaching concepts in the physical earth space and life sciences as well in history and mathematics and suggested activities for a variety of grade levels Appendices provide science references to help you keep the facts and the fictions straight national science content standards and detailed lesson plans for an earth science unit where students travel the depths of time and create their own time travelers diaries

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