

Mathematics Essentials 12

Outcomes

Website References

Website references contained within this document are provided solely as a convenience and do not constitute an endorsement by the Department of Education of the content, policies, or products of the referenced website.

The department does not control the referenced websites and subsequent links, and is not responsible for the accuracy, legality, or content of those websites. Referenced website content may change without notice.

Regional Education Centres and educators are required under the Department's Public School Programs Network Access and Use Policy to preview and evaluate sites before recommending them for student use. If an outdated or inappropriate site is found, please report it to <curriculum@novascotia.ca>.

Mathematics Essentials 12

© Crown copyright, Province of Nova Scotia, 2022

Prepared by the Department of Education and Early Childhood Development

This is the most recent version of the current curriculum materials as used by teachers in Nova Scotia.

The contents of this publication may be reproduced in part provided the intended use is for noncommercial purposes and full acknowledgment is given to the Nova Scotia Department of Education

Mathematics Essentials 12 Outcomes

1.1 demonstrate an understanding of the meaning and uses of accuracy and precision
1.2 use a measuring tape to measure tactile items in both imperial and SI units
1.5 demonstrate an understanding of and be able to solve problems using dimensional analysis
1.6 identify, use, and convert among and between SI units and imperial units to measure and solve measurement problems
1.7 estimate distances by using a personal benchmark such as walking pace
1.8 demonstrate an understanding of and be able to solve problems using the Pythagorean Theorem
2.1 investigate a range of career opportunities to determine the best possible fit for their interests within the trades
2.2 demonstrate to others what type of mathematical knowledge is required to be successful at various career choices
2.3 demonstrate entry-level competence in the mathematics associated with the specific career choice a student has made
2.4 sketch and construct a model that will enable a student to show others some mathematics involved in a career interest
3.1 calculate the dimensions of actual objects using blueprints with various scales
3.2 sketch and build representations of three-dimensional objects using a variety of materials and information about the objects
3.3 illustrate, explain, and express ratios, fractions, decimals, and percentages in alternative forms
3.4 find and calculate rates in practical applications such as pulse rate
3.5 estimate and calculate deductions taken from a pay stub as percent of gross earnings
3.6 sketch enlargements and reductions of objects using various scales
4.1 demonstrate to others what type of mathematical knowledge is required to be successful at their career choice