

11. Introduction to EQAO Mathematics

BASIC KNOWLEDGE ABOUT MATHEMATICS

Before we begin presenting strategies for doing tests in mathematics, you need some basic knowledge to be successful.

Dr. Don recommends that every student acquire a set of index cards from the Dollar Store, and develop a bank of PREP cards. On one side of the card, write the topic or question, and on the other side, write the formula that is needed to solve the question.

On following pages in this Resource booklet, Dr. Don has given several examples of basic knowledge: key definitions, formulas for area/perimeter/circumference of geometric figures, how to calculate volume, how to use a protractor, and types of angles. Any of those pages could be transferred to PREP cards.

Other suggested topics:

- Fractions: how to add, subtract, multiply and divide.
- Decimals: how to add, subtract, multiply and divide.
- Order of operations: meaning of BEDMAS
- types of transformations (flip, slide and turn)

Refer to your math textbook for more topics.

To prepare for EQAO, work with a friend or an adult to study and remember the content of each index card.

Adding/Subtracting Fractions

sample index cards
showing front and back

Always find a common denominator:
$$\frac{1}{3} + \frac{1}{4} + \frac{1}{6} =$$
$$\frac{4}{12} + \frac{3}{12} + \frac{2}{12} = \frac{9}{12} = 1 \frac{1}{4}$$

*Add or subtract the numerators.
The common denominator stays the same.*

