

Reading Technical UEB
CNIB Conference 2011
Workshop 410
Saturday, October 22
10:30 - 11:30 a.m.

Literary

The S&P/TSX composite index fell 110.6 points to 11 450, leaving the main index 20% below its highs of early March and officially in what traders call a "bear" market. Malcolm Morrison, *The Globe and Mail*.

Technical

A company sells a generator for \$36 000, which is a 20% profit over cost. What was the cost of the generator?

Literary

Happiness = no debt + love (Headline in *Toronto Star*)

Technical

$$x + .2x = 36\ 000$$

$$1.2x = 36\ 000$$

$$x = 30\ 000$$

The cost of the generator was \$30 000.

Literary

Add approximately $\frac{1}{4}$ c. flour and stir until thickened.

$$\text{Fuel consumption (in litres per 100 km)} = \frac{\text{litres of fuel used}}{\text{kilometres travelled} \div 100}$$

Technical

To express the fraction $\frac{3}{4}$ with a denominator of 24:

$$\frac{3}{4} = \frac{3 \times 6}{4 \times 6} = \frac{18}{24}$$

To simplify:

$$6\frac{5}{12} - 3\frac{3}{4} = \frac{77}{12} - \frac{15}{4} = \frac{77}{12} - \frac{45}{12} = \frac{32}{12} = \frac{32 \div 4}{12 \div 4} = \frac{8}{3} = 2\frac{2}{3}$$

Literary

Integration at school, at work, and into society in general requires braille that is compatible with print.¹

¹Darleen Bogart, *The Rules of Unified English Braille*, page ix.

Technical

Puzzler: By moving one, and only one, of the following digits, make the equation correct.

$$25 - 31 = 1$$

Solution:

$$2^5 - 31 = 1 \quad (2^5 = 32)$$

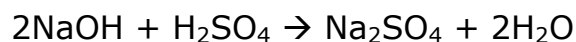
The **logarithm** of a number is the **exponent** by which a fixed number, the **base**, has to be raised to produce that number. For example, the logarithm of 1000 to base 10 is 3, because:

$$1000 = 10 \times 10 \times 10 = 10^3$$

Literary

Striking → moves the cursor one character to the right.

Technical



Sources of information about UEB

ICEB (International Council on English Braille). Download print or braille versions of the UEB Rulebook and/or the Guidelines for Technical Material from the website: www.iceb.org/ueb.html. Filename for the pdf version of the Rulebook is:

The Rules of Unified English Braille20100617.pdf

RNIB (Royal National Institute of Blind People). The UK is in the process of deciding whether to adopt UEB. It has published some interesting research reports. One such can be found at: www.rnib.org.uk/aboutus/Research/reports/support/Pages/UEB_1.aspx

UEB Symbols in this Workshop

This list is in braille order. "ind." is short for "indicator".

⠠⠠	open general fraction	⠠⠠⠠	times
⠠	close general fraction	⠠⠠⠠	divided by
⠠⠠⠠	right arrow	⠠⠠⠠	close parenthesis
⠠	period, dot, decimal	⠠⠠⠠	minus
⠠	subscript ind.	⠠⠠⠠	line cont. ind. with space
⠠	superscript ind.	⠠⠠⠠	italic word ind.
⠠⠠⠠	at sign	⠠⠠⠠	italic passage ind.
⠠⠠⠠	dollar sign	⠠⠠⠠	percent
⠠⠠⠠	bold word ind.	⠠⠠⠠	general fraction line
⠠	numeric space	⠠⠠⠠	italic terminator
⠠	line continuation ind.	⠠⠠⠠	underscore
⠠⠠⠠	open parenthesis	⠠	grade 1 symbol ind.
⠠⠠⠠	plus	⠠⠠⠠	grade 1 terminator
⠠⠠⠠	equals		