

- 1.7.6 Use a consistent approach to the use of grade 1 indicators when transcribing a particular text in order to maintain clarity for the reader.

Note: The default approach is to maintain words in their usual contracted form where possible; follow Section 1.7.5 for technical expressions containing words.

- 1.7.7 Transcribers may choose to use grade 1 mode for all technical expressions in a text. In making the decision to adopt this approach, careful consideration should be given to factors such as:

- how UEB is taught in the area;
- decisions of the local braille authority;
- level of education of the target audience;
- what the target audience would expect;
- translation tools available;
- in-house production rules based on document type.

- 1.7.8 When students write work, they may use a different strategy for the grade 1 indicators, particularly if the number of indicators is not known when they begin to write. Students should not be penalised for not adhering exactly to the guidelines, and neither should they be penalised if the omission of a grade 1 indicator leads to technically incorrect braille, but the mathematical meaning is nevertheless clear.

- 1.7.9 Further examples of preferred grade 1 indicator usage for technical expressions:

$y = x$

"y equals x"



$\sqrt{25} = 5$

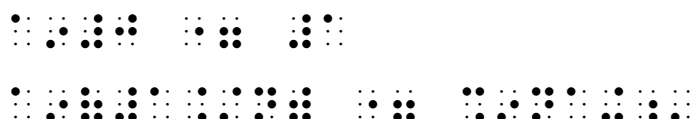
"square root of 25 equals 5"



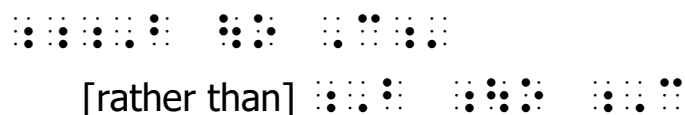
$$\text{period} = 2\pi \sqrt{\frac{l \cos \alpha}{g}}$$

The figure consists of 10 dot patterns arranged horizontally. Each pattern is a 5x5 grid of dots. The patterns show a progression from a single dot in the bottom-left to a more complex, interconnected structure in the bottom-right.

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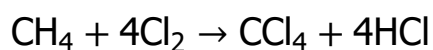
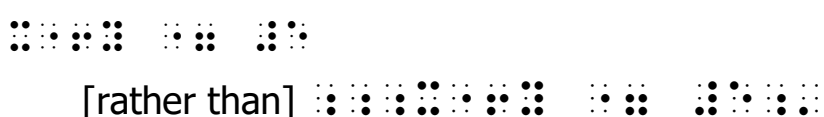
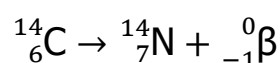
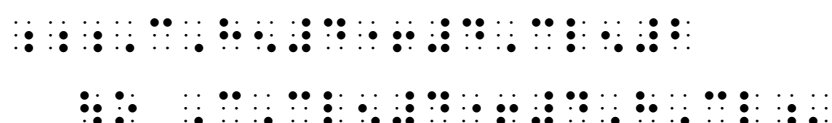

$$B \rightarrow C$$

"B right arrow C"



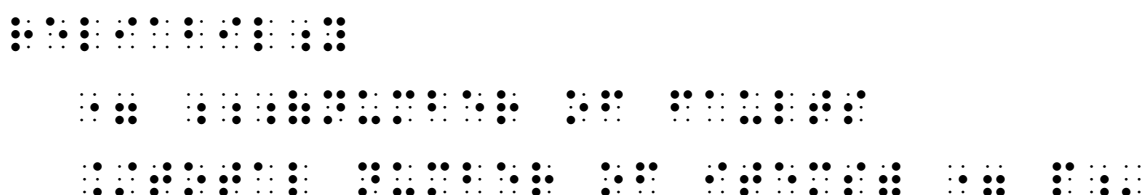
$$x + y = 5$$

"x plus y equals 5"


$$\text{C}_4\text{H}_{10} + 13\text{Cl}_2 \rightarrow \text{C}_4\text{Cl}_{10} + 10\text{HCl}$$

$${}^{14}\text{C} \rightarrow {}^{14}\text{N} + {}^0_{-1}\beta$$


$$\text{reliability} = \frac{\text{number of faults}}{\text{total number of items}} = p$$

"reliability equals fraction: number of faults all over total number of items close fraction equals p"



For inclusion in About this book section:

In the examples in this document, grade 2 mode is assumed to be in effect, and grade 1 indicators have been included according to the guidelines given in Section 1.7 Choice and placement of grade 1 indicators.