



Translating among representations

Start.

Source (highlight one): Word(s) | Drawing(s)/Table(s) | + Algebraic notation
 Highlight the underlined phrases corresponding to your choice in the flowchart.

Output (highlight one): *Word(s)* | *Drawing(s)/Table(s)* | *+ Algebraic notation*
 Highlight the *italicized* phrases corresponding to your choice in the flowchart.

-----✂-----Cut here to remove manicule-----✂-----

1. Read ~1-5 word(s).
Describe 1 illustrated feature in drawing(s)/table(s).
Read out 1 term, factor, or other similarly small part of an expression in + algebraic notation.

2. Deliberately **scan** your
word(s)
drawing(s)/table(s)
+ algebraic notation
for any features that contradict the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation.

3. I **found** at least one **contradiction**.

4. **Revise** one feature of your
word(s)
drawing(s)/table(s)
+ algebraic notation
 that contradicts the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation.

5. Did your **revision involve adding information** from the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation
 to your
word(s)
drawing(s)/table(s)
+ algebraic notation?

6. **No**. I **merely repaired** an existing feature of my
word(s)
drawing(s)/table(s)
+ algebraic notation
 (e.g. crossed out and redrew/rewrote something).

7. **Yes**, when I revised my
word(s)
drawing(s)/table(s)
+ algebraic notation,
 I **added** a feature to my
word(s)
drawing(s)/table(s)
+ algebraic notation.

13. In the indicated
phrase, underline the word(s) and/or symbol(s)
illustrated feature in drawing(s)/table(s), enclose in a bubble the portion
part of an expression in + algebraic notation, enclose in a bubble the portion
 corresponding to the feature you just added to your
word(s)
drawing(s)/table(s)
+ algebraic notation.

8. I **found no contradictions**.

9. Re-read ~1-5 word(s).
Re-describe 1 illustrated feature in drawing(s)/table(s).
Re-read out 1 term, factor, or other similarly small part of an expression in + algebraic notation.

10. Deliberately scan your
word(s)
drawing(s)/table(s)
+ algebraic notation
 to **check whether all meaning** in the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation
 has been **represented** somewhere in your
word(s)
drawing(s)/table(s)
+ algebraic notation.

11. I noticed that at least one piece of **information** from the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation
 has **not yet been represented** in my
word(s)
drawing(s)/table(s)
+ algebraic notation.

12. **Add** a feature to the
word(s)
drawing(s)/table(s)
+ algebraic notation
 to represent one piece of information not yet represented from the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation.

14. I confirmed that **all information** from the indicated
phrase
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation
 has been **represented** in my
word(s)
drawing(s)/table(s)
+ algebraic notation.

15. **Move** the manicule to the next
small group of words
illustrated feature in drawing(s)/table(s)
part of an expression in + algebraic notation.