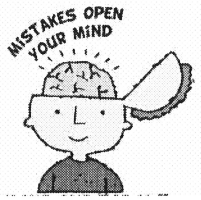
TOOL/ Student Math Self-Assessment

What is it used for?
The tool assesses how well students can identify errors in math computations and corrects. This provides the teacher with assessment for learning data regarding student understanding of a computational procedure as well as a student's ability to self-assess and correct their own work in the future.

How do you use it?
Students are given a placemat with a math computation on the left corner that has been completed incorrectly. Their job is to identify the error, rework it correctly and give feedback to ensure it doesn't happen again. This can also used by the teacher by putting one of the students mistakes on the page after an assessment and having them identify the error and how to correct it. The teacher could also choose a question that a group of children did incorrectly put one of the incorrect responses in the form and then work with the small group to identify the error and how to correct it.

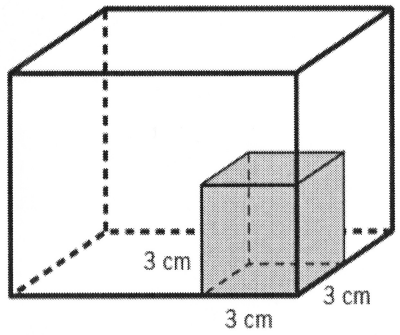
How do you adapt for other subjects or topics?
This can be used for any math skill where a computational error can be highlighted. The teacher puts the incorrect procedure on the left side and the students complete the work in the boxes.



Learn From Your Mistakes (6)

Look closely at the question below. Identify where the student made their mistake. Give the student some feedback as to how they can avoid this mistake. Solve the question correctly so they can see what they did wrong.

33 Twelve cubes measuring 3 cm by 3 cm by 3 cm fit perfectly into the rectangular prism shown below.



What is the volume of the rectangular prism in cm^3?

The volume is 288 cm^3

Identify and Explain the Mistake

The mistake was the student got the wrong volume and forgot to show their work.

The student thought the volume was 288 cm^3 but the real volume is 324 cm^3. They also forgot to show how they got their answer.

$V = L \times W \times H$

$= 3 \times 3 \times 3$

$= 9 \times 3$

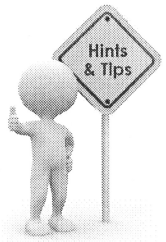
$= 27 cm^3$

27×12

$\times 12$

324

The volume of the rectangular prism is 324 cm^3



- The student could try checking over the answer
- They could try showing their work
- Try a different way to see if they get the same answer

Learn From Your Mistakes

Look closely at the _____ question. Identify where the student made their mistake. Give the student some feedback as to how they can avoid this mistake. Solve the question correctly so they can see what they did wrong.

Identify and Explain the Mistake