GRADE 8 · ERROR ANALYSIS

FIND THE MISTAKE!

Scientific Notation

8.EE.A.3, 8.EE.A.4

SAMPLE · MAYA'S WORK

4,760,000,000 has 7 zeros

so the exponent is 7

4.76×10^{7}

✗ Counted zeros, not places

MISCONCEPTIONS IN THIS SET

- Counted zeros, not places
- Divided the exponents
- Combined with different powers
- Multiplied the exponents
- Adjusted the exponent the wrong way
- Added exponents when dividing
- Wrong sign on the exponent
- Compared only the first factors
- Wrote one zero too many
- Added zeros instead of moving

20 WORKED PROBLEMS | 4 TASK TYPES | FULL ANSWER KEY

MATH TEACHER PRINTS

PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW

Preview - the full worksheet and its answer key are at primeworksheet.com