GRADE 8 – TIER 1 – EMERGING
An eighth grade Tier 1 student performing at the Emerging Level demonstrates a preliminary academic awareness of the knowledge, skills, and processes outlined by the Pennsylvania Alternate Eligible Content.

Students performing at this level demonstrate these abilities by
✓ identifying the 2-dimensional figure that has been rotated, reflected, or translated when given a model,
✓ identifying an equation that matches a two-step, real-world addition problem with whole numbers and visual supports.

GRADE 8 – TIER 1 – NOVICE
An eighth grade Tier 1 student performing at the Novice Level demonstrates a limited academic awareness of the knowledge, skills, and processes outlined by the Pennsylvania Alternate Eligible Content.

In addition to the skills demonstrated by students performing at the Emerging level, students performing at this level demonstrate these abilities by
✓ identifying the completed equation used to calculate the volume of a 3-dimensional figure given dimensions and a formula,
✓ identifying the 3-dimensional figure that has been rotated, reflected, or translated,
✓ identifying a data element within a two-way table.

GRADE 8 – TIER 1 – PROFICIENT
An eighth grade Tier 1 student performing at the Proficient Level demonstrates a developing academic awareness of the knowledge, skills, and processes outlined by the Pennsylvania Alternate Eligible Content.

In addition to the skills demonstrated by students performing at the Novice level, students performing at this level demonstrate these abilities by
✓ identifying the approximate location of a non-terminating decimal on a number line,
✓ identifying the meaning of a squared or cubed number with a visual model,
✓ identifying an equation that matches a two-step, real-world subtraction problem with visual support,
✓ identifying the length/distance of the longest side of a right triangle in a real-world problem given visual supports/model.

GRADE 8 – TIER 1 – ADVANCED
An eighth grade Tier 1 student performing at the Advanced Level demonstrates a progressing academic awareness of the knowledge, skills, and processes outlined by the Pennsylvania Alternate Eligible Content.

In addition to the skills demonstrated by students performing at the Proficient level, students performing at this level demonstrate these abilities by
✓ identifying the solution to a two-step, real-world addition or subtraction problem with visual support,
✓ identifying the relationship between a fraction and a decimal to the hundredths place using visual supports,
✓ comparing two proportional relationships on a graph to determine similarities or differences.

As approved by the State Board of Education on July 11, 2019
✓ identifying the length/distance of the longest side of a right triangle in a real-world problem,
✓ identifying where the line crosses the y axis.