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## 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,

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- ✓ 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.