

Grades 6-8, Claim 2

**Example Item 2C.2c (Grade 8):**

Primary Target 2C (Content Domain EE), Secondary Target 1C (CCSS 8.EE.B), Tertiary Target 2D

A comet is orbiting the sun.

The equation  $d = 130,000t$  represents the relationship between  $d$ , the distance traveled by the comet in kilometers and  $t$ , the time, in hours, since astronomers first spotted the comet

What does the 130,000 in the equation tell us about the comet?

- A. The comet will travel 130,000 kilometers in a year.
- B. The comet is traveling at 130,000 kilometers per hour.
- C. The comet has traveled 130,000 kilometers since astronomers spotted it.
- D. The comet has been traveling for 130,000 hours since astronomers spotted it.

**Rubric:** (1 point) The student selects the correct interpretation (e.g., B).

**Response Type:** Multiple Choice, single correct response

**Commentary:** In Grade 8, students should also be interpreting the  $x$ - and  $y$ -intercepts as well as the slope of linear relationships.