

Bell Ringer: Solving Real World Mathematical Problems Using Proportional Relationships

Grade Level: 7

Competency: H7: Demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risk.

Objective: The student will learn the effects of alcohol.

Content Strand: Substance Abuse Prevention (SA)

Common Core:

Math 7.RP.2b Analyze proportional relationships and use them to solve real-world and mathematical problems.

Duration: 10 minutes

Description:

1) If one person dies every 30 minutes due to a drunk driver, how many people are killed by drunk drivers in 7 hours?

7.RP.2b

2) Every weeknight between 10:00 pm and 1:00 am, one in 13 drivers is drunk. If there are 195 drivers on the road during that time in our county, how many of them are drunk?

7.RP.2b

Answers:

1) 14 people 2) 15 drivers