



Sample Questions

9th-11th Grades

These questions are examples from the Math, Social Studies, and Vocabulary sections of the Iowa Assessments that is given to students in 9th through 11th grade.

Math

Mr. Harris can buy 5 calculators at a nearby store for \$105, or he can buy 20 calculators online for \$360, including free shipping. In all, Mr. Harris needs 40 calculators for his classes. Which expression represents the amount (in dollars) he would save by buying the calculators online?

- A $105 \times 8 - 360 \times 2$
- B $105 \div 5 - 360 \div 20$
- C $105 \div 8 - 360 \div 2$
- D $[(105 \div 5) \times 8] - [(360 \div 20) \times 2]$
- E $[(360 \div 20) \times 2] - [(105 \div 5) \times 8]$

Social Studies

A certain state recently published a statistical description of its residents. Which of these quantities in the report is probably most accurate?

- A The number of residents who own computers
- B The percentage of residents who favor the state's spending more money on education
- C The percentage of residents who visited other states during the past five years
- D The number of residents who paid more than \$5,000 in state income taxes last year

Vocabulary

Read each question and decide which of the five choices has most nearly the same meaning as the underlined word or phrase.

The plant began to **wither**.

- A dry up
- B turn green
- C shed leaves
- D sprout flowers
- E grow crooked