ACTIVITY ONE (SHOW YOUR WORK; SELECTIONS MAY HAVE MORE THAN ONE CORRECT ANSWER)

Article: System upgrade, Sun., May 26, Business, page 1K

● What is GPS?
  ○ giant polar soundboard  ○ global positioning system
  ○ global portfolio system  ○ geographical placement satellite

● How many satellites are required to reliably establish a user’s location, without concern for altitude?
  ○ 1  ○ 2  ○ 3  ○ 4

● How many satellites are required to reliably establish a user’s location, including altitude?
  ○ 1  ○ 2  ○ 3  ○ 4

● What is the word used to describe the process satellites perform to establish a location?
  ○ triangulation  ○ trio  ○ quadration  ○ metering

● Which of the following use GPS?
  ○ military  ○ farmers  ○ first responders  ○ banking

ACTIVITY TWO

Articles: Bigger game, Sun., May 26, Denver & The West, page 1B

● The moose population in Colorado was 12 when moose were transplanted to Colorado high country in 1978. Now the moose population is 2,300. How much has the moose population increased in 36 years?
  ○ tripled  ○ increased by more than 2,280
  ○ increased by less than 2,500  ○ octupled

● Last year 16,500 hunters applied for a license to hunt moose. Two hundred nineteen moose hunting licenses were issued. What percentage of applicants received a license to hunt moose?
  ○ between one and two percent  ○ between nine and ten percent
  ○ between nineteen and twenty percent  ○ more than 20 percent

ACTIVITY THREE

Article: King Soopers display ad, Sun., May 26, pages 1-4M

● Let’s have a picnic! Shop for the following items. How much will the picnic items cost at King Soopers? (You have a card. Take advantage of sale prices!)
  - Two packages of Johnsonville Brats (there are 5 in a package) ____________________________
  - Three 28 oz. can of Bush’s original baked beans ____________________________
  - Package of hot dog buns for the brats ____________________________
  - Iced brownies for dessert ____________________________
  - 4 pounds of potato salad, all different types ____________________________
  - 2 pounds of strawberries ____________________________

TOTAL PRE-TAX COST: ____________________________
ANSWERS

ACTIVITY ONE
GPS is global positioning system.
Three satellites are needed to establish a user’s location.
Four satellites are needed to establish location and altitude.
Triangulation is the process for three satellites establishing a location.
All of the listed occupations use GPS technology.

ACTIVITY TWO
Moose have increased by more than 2,280. The exact number is 2,288.
Between one and two percent of applicants received a license to hunt moose.

ACTIVITY THREE
$3.99 \times 2 = 7.98$
$5.00$
$1.99$
$3.99$
$5.00$
$4.00$
TOTAL: $27.96