

Area-Consumer and Family Resources
Scenario-Calculating cost of transportation

Standards

SD FACS Standards

FCS 7.1.8

Apply consumer information for acquiring and maintaining transportation to meet the needs of individuals and family members.

SD Mathematics Standards

8.N.3.1

Students are able to use various strategies to solve multiple step problems involving rational numbers.

What will you do?

You will react to the given scenario on calculating the cost of transportation.

What is the scenario?

Anthony wants to go visit a friend he met at camp this past summer. His friend lives in Brookings. His mom and dad have agreed to let him take the family car on a Saturday to go to Brookings as long as he pays for the gas. Anthony has a part time job working at the grocery store. He has about \$100 in his checking account that he has saved for entertainment purposes. Brookings is 110 miles from his home. His parents car gets 22 miles per gallon if an average speed of 70 is maintained. Gas price is \$1.89 per gallon. How much will it cost Anthony to travel to and from Brookings to visit his friend and how much will he have left in savings?

How will you do this?

You will study the given scenario.

You will set up the formula for calculating the cost of transportation.

How will you be evaluated?

Correct formula and answers

Supplemental Materials

Calculator

Answer key

Resources

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