

Name _____

PROBLEM-SOLVING SKILL

P 2-8

Interpreting Remainders

Igneous Quarry Company needs to deliver 284 tons of granite to a site that is 1,080 mi away from the company.

1. If each truck can carry a maximum load of 10 tons, how many full trucks will be needed?

2. How many tons of granite will need to be carried by an extra truck?

3. If a truck driver drives 600 mi per day, how many days will it take to drive 2,080 mi?

4. What does the remainder represent?

5. If the company charged \$8,050 for the entire job, how much did it charge per ton for delivery?

6. What does the remainder represent and how did you adjust your answer to allow for this?

7. If each truck gets 7 mi to the gallon, how many gallons of gas will be needed for the 1,080 mi? (Round to the nearest hundredth.)

8. Each truck holds 100 gal of gas. If the drivers start with a full tank of fuel, how many times will they need to refuel?
