



National
Railroad
Museum

BIGBOY

Grades 6–8

Big Boy's tender holds 64,000 lbs. of coal and 24,000 gallons of water.

A 76-mile journey eastbound from Ogden, Utah to Evanston, Wyoming took Big Boy four hours to complete. In this time Big Boy would consume 22,000 lbs. of coal and 12,000 gallons of water per hour.

1. What was the Big Boy's average speed?
 15mph 19mph 21mph 25mph
2. How many tons of coal would be used on this journey?
 34.5 tons 44 tons 54.8 tons 62 tons
3. How many gallons of water would Big Boy turn into steam during the 76 mile trip?
 42,000 gals. 48,000 gals. 49,125 gals. 50,325 gals.

