

Name: Braun
 Class: 6 Date: _____

Student Sheet 8.1a How Much Work Was Done?

Directions Complete this sheet as directed in the Procedure for Inquiry 8.1.

Table 1 Calculating the Work Done on Different Surfaces

*From Lesson 6.1
 What a Drag*

Surface	Effort Force (N)	Effort Distance (m)	Work Done
Tabletop	0.56 N	0.27 m	0.15 N·m
Waxed paper	0.76 N	0.27 m	
Paper towel	0.96 N	0.27 m	
Fine sandpaper	1.34 N	0.27 m	
Coarse sandpaper	1.46 N	0.27 m	

1. Over which surface did you do the most work when you pulled the block?

2. Over which surface did you do the least work when you pulled the block?

Tabletop

$$W = F \cdot d$$

$$W = (0.56\text{N}) \cdot (0.27\text{m})$$

$$W = 0.15\text{N}\cdot\text{m}$$

Waxed paper

$$W = F \cdot d$$

$$W =$$

0.56
 x 0.27

 1392
 1120

 1512