

Friction Introduction

Fill in the missing values.

	<u>Force of Friction (F_f)</u>	<u>Force Normal (F_N)</u>	<u>Coefficient of Friction (μ)</u>
1.		18N	0.2
2.	12N	16N	
3.		35N	0.5
4.	50N		0.7
5.	20N	30N	
6.	5N		0.4

7. A 20 kg block is sitting on a flat level surface. The coefficient of friction between the objects is 0.3. What is the force of friction?
8. The coefficient of friction between 2 objects is 0.25 and the force of friction is 30N. What is the Normal Force?
9. A 60kg mass has a force of friction of 80N. What is the coefficient of friction?
10. If the normal force on an object is 30N and the coefficient of friction is 0.9, how much force is required to get the object moving? (It is equal to the force of friction)