

Name:

Date: Wednesday, October 19, 2016

MATH 181 F1 Worksheet: Fair Division

Use the Knaster inheritance procedure to determine a fair allocation.

Item	Alice	Bob	Carol	David
Cabin	\$ 50,000	\$ 60,000	\$ 40,000	\$ 90,000

Item	Alice	Bob	Carol	David
Boat	\$ 20,000	\$ 30,000	\$ 24,000	\$ 20,000

Another way.

Item	Alice	Bob	Carol	David
House	\$ 180,000	\$ 120,000	\$ 200,000	\$140,000
Cabin	\$ 50,000	\$ 60,000	\$ 40,000	\$ 90,000
Boat	\$ 20,000	\$ 30,000	\$ 24,000	\$ 20,000
Total	\$ 250,000	\$ 210,000	\$ 264,000	\$ 250,000
Fair Share	\$ 62,500	\$ 52,500	\$ 66,000	\$ 62,500