

Lesson 3: Backpack masses

Challenge 1 1 Oscar: 5248 g Julie: 4685 g
Mina: 5813 g Steve: 8157 g
Terry: 6478 g Abby: 7589 g

2 8 g 800 g 8 g 8000 g 80 g

3 2.909 kg

Challenge 2 1

Backpack	Rounded to nearest $\frac{1}{10}$ kg (kg)	Rounded to nearest kg (kg)
Oscar	5.2	5
Mina	5.8	6
Terry	6.5	6
Julie	4.7	5
Steve	8.2	8
Abby	7.6	8

2 38 kg

3 a 1230 g c 2904 g
b 2344 g

4 Oscar, Mina, Julie

5 a orange apple banana
i 80 g 120 g 70 g
ii 0.8 kg 1.2 kg 0.7 kg
iii 8 kg 12 kg 7 kg

b 0.31 kg

Challenge 3 Harry 4.3 kg
Holly 3.9 kg
Heather 3.7 kg