On the Trail

Activity

The Seelow Scroggin Company sells a delicious trail mix in different-sized packets.

These are the proportions for each ingredient:

$\frac{1}{4}$ peanuts

$\frac{1}{5}$ sunflower seeds

$\frac{1}{4}$ raisins

$\frac{1}{5}$ dried apricots
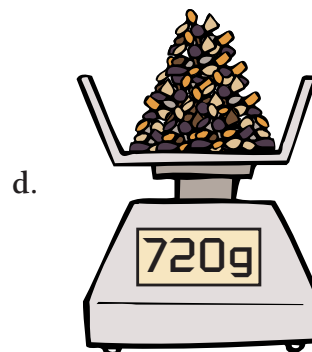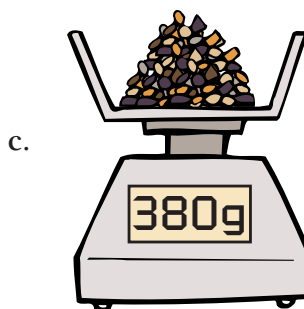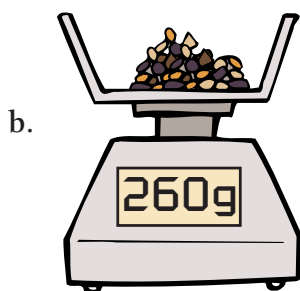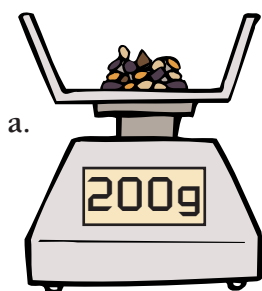
$\frac{1}{10}$ chocolate

Scooter Seelow uses a set of scales to help him put the right proportion of ingredients in each packet of scroggin he makes up. He starts off by making a small 100 gram packet of trail mix. He puts in:

25 grams of peanuts

20 grams of sunflower seeds

25 grams of raisins

20 grams of dried apricots

10 grams of chocolate
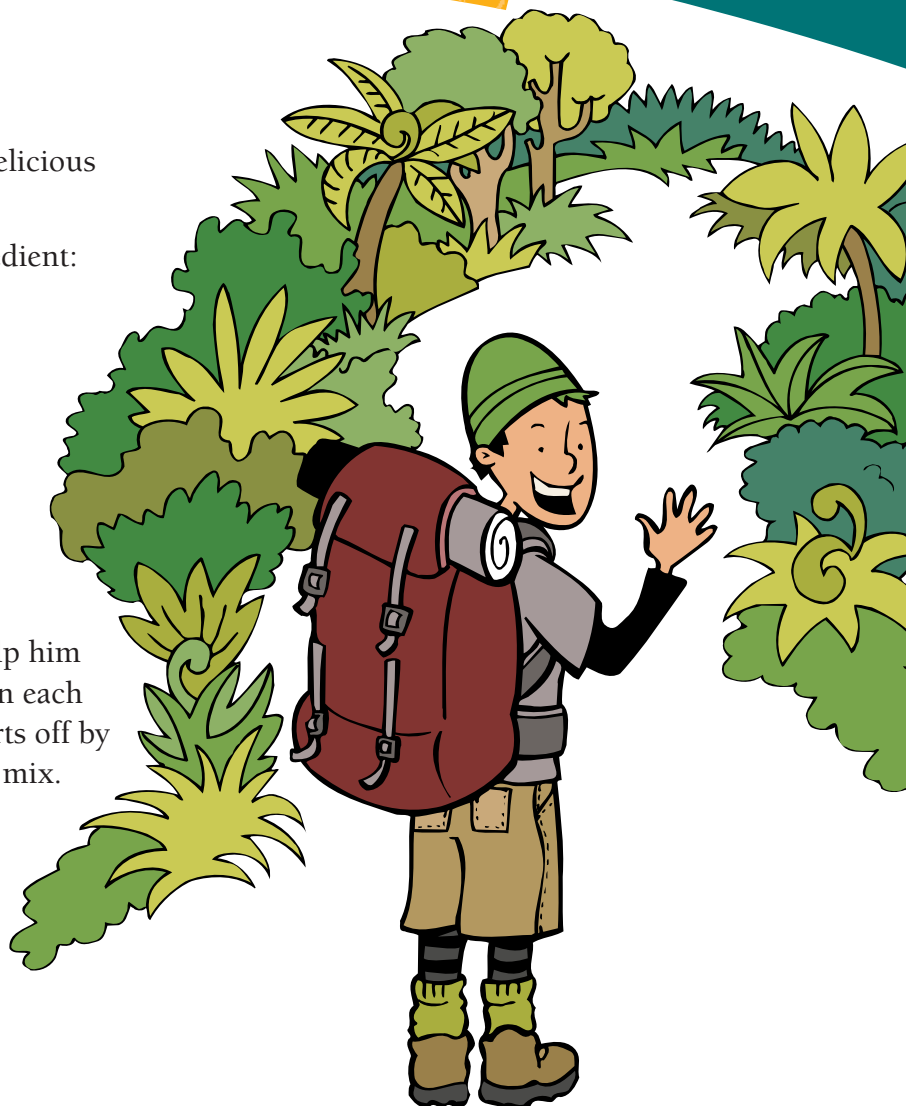
1. How many grams each of chocolate, raisins, and sunflower seeds would there be in packets that are these sizes:

a. **200g**   b. **260g**   c. **380g**   d. **720g**

2. If you tipped 4 kilograms of dried apricots into a trail-mix packet, how much of the other four ingredients (peanuts, sunflower seeds, raisins, and chocolate) would you need to add to keep to the proportions listed at the top of the page?