**Strip Diagrams Worksheet Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. The big dog weighs five times as much as the little dog. The little dog weighs  times as much as the medium-sized dog. The medium sized dog weighs 7 pounds more than the little dog. How much does the big dog weigh?

1. Draw a strip diagram for each of the 3 quantities mentioned in the problem. Be consistent in your scaling.

 (b) Solve the problem, and explain your solution process.

2. Pat and Ron split a cake. Pat’s share is 1/2 as large as Ron’s share.

 (a) Sketch on the “cake” diagram below to show Pat’s and Ron’s shares. Label them P and R.

 (b) Ron's share is \_\_\_\_\_\_ times as large as Pat's share.

 (c) Pat's share is what fractional part of the whole cake? \_\_\_\_\_\_

3. Suzy and Linda split a candy bar. Suzy’s share is 2/3 as large as Linda’s share.

 (a) Sketch on the “candy bar” diagram below to show Suzy’s and Linda’s shares. Label them S and L.

(b) Linda's share is \_\_\_\_\_\_ times as large as Suzy's share.

(c) Suzy's share is what fractional part of the whole candy bar? \_\_\_\_\_\_

4. Rob and Laura split a pizza. Rob’s share is 5/3 as large as Laura’s share.

 (a) Sketch on the “pizza” diagram below to show Rob’s and Laura’s shares. Label them R and L. Use either shape.

(b) Laura's share is \_\_\_\_\_\_ times as large as Rob's share.

(c) Rob's share is what fractional part of the whole pizza? \_\_\_\_\_\_

 (d) Laura's share is what fractional part of the whole pizza? \_\_\_\_\_\_

5. Three boys spend the afternoon playing a video game and then compared their best scores. Al says, “My best today is 900 points better than yours, Bob.” Carlos says, “I was having a good day. My 3,600 points is 2/3 as much as your two scores combined, Al and Bob.” How many points did each boy get in his best game that afternoon?

![C:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\DH0GOZB8\MP900422306[1].jpg]()

![C:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\N1SQ69T4\MP900384682[1].jpg]()6. Three brothers, Tom (16), Dick (14), and Harry (9) were home alone and hungry. They decided to buy a whole apple pie and eat it. They chipped in their money – Tom $4, Dick $3, and Harry $2 – and Tom bought a large pie. They succeeded in eating it all. Tom ate twice as much as Harry, and Dick ate 1 ½ times as much as Harry. What fractional part of the pie did each brother eat?