Reindeer Ratios & Rates

1. For each of these statements about reindeer eating habits, write a ratio. Make sure it's in simplified integer form.

(a) Dasher & Blitzen eat the same amount of food

(b) Dancer eats twice as much food as Vixen

(c) Rudolph eats half as much as Comet & Cupid eat individually

(d) Cupid eats one and a half times as much as Prancer

(e) Comet eats three times as much as Blitzen

(f) Donner eats two thirds of the amount of Comet

(g) Rudolph eats 1.5 times as much as Dasher

(h) Dancer eats two and a half times much as Donner

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2. (a) Given that Prancer eats 10 lbs (pounds) of food a day, workout how much food each reindeer eats.

Dasher	Cupid	Dancer	Donner	Prancer	Blitzen	Vixen	Rudolph	Comet
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(b) Write the ratio of food eaten by the reindeer, leaving it in the simplest form.

Dasher : Cupid : Dancer : Donner : Prancer : Blitzen : Vixen : Rudolph : Comet

(c) What is the total amount of food eaten in one day?

_____lbs

3. Obviously we need to feed the reindeer. Santa's reindeer live in Lapland. Different companies sell different feed products in different size bags.

Elf Food Store	Ronnie's Reindeers	Olaf's Farm
£15.99	€14.35	£17.99
40 lbs	30 kg	21kg

Conversion rates:

£1 = € 1.10   1kg = 2.205 lbs

(a) Which brand is going to be best value?

(b) You can only buy whole bags of feed. How much will one day of food cost for each brand, in Euros?

(c) Compare your best value company answer and the cost of whole number of bag. Which company would you recommend to the reindeer stables? Why?