

Milk Makin' Math

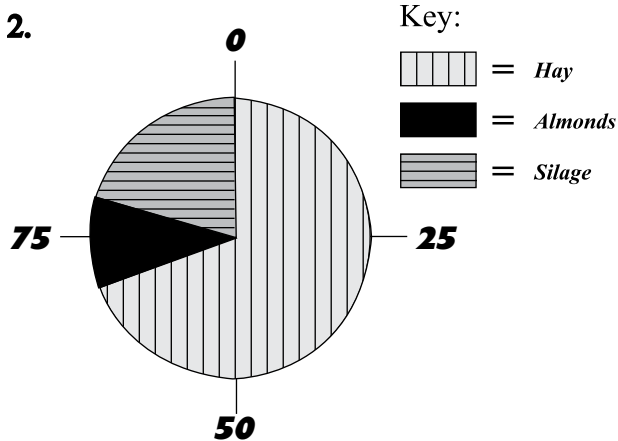
Answer Sheet

Station One: Dairy Nutritionist

1.

	Percent	Decimal	Fraction
Hay	70%	.7	7/10
Silage	20%	.2	1/5
Almond Hulls	10%	.1	1/10

2.



3.

Hay $.70 \times 60 = 42 \text{ lbs.}$

Silage $.20 \times 60 = 12 \text{ lbs.}$

Almond Hulls $.10 \times 60 = 6 \text{ lbs.}$

Station Two: Dairy Farmer

1. 60 min., 1 hr.

2. 100 min., 1.66 hrs.

3. 117.5 min., 1.96 hrs.

Station Three: Veterinarian

1. Jersey 900 lbs. 180cc's
 Holstein 1,500 lbs. 300cc's
 Brown Swiss 1,400 lbs. 280cc's
 Guernsey 1,050 lbs. 210cc's
 Ayrshire 1,200 lbs. 240cc's

2. *The amount of medicine is based on weight. Since dairy cows weigh more than humans, they would need more medicine.*

Station Four: Accountant

1. 2,000 lbs. of Milk

2. \$360.00

3. Total: \$10,953.27

Station Five: Safety Inspector

1. 12.75°, 12 ³/₄°

2. 23 minutes

Station Six: Marketing Manager

1. 8.6 lbs.

2. 8.6 lbs.

3. 9 lbs.

4. 93 gallons