

Cow Care Counts

REPRODUCIBLE MASTER



Meet Kim Nelson. Kim is a dairy farmer who owns Kel Vista Holsteins in West Winfield, N.Y. Kim is up with the sun and ready to care for her cows. To get started, she needs to plan for their comfort and productivity. Can you help her by solving the math problems below?

1. First, it's time to milk the cows! The cows live in a cool, comfortable barn with open space where they can move around and stalls where they can rest. The average farmer in the Northeast has 120 cows. To stay healthy, each cow needs about 15 square feet of stall space. How much space would 30 cows need?

square feet

2. When cows are ready to be milked, they make their way from the barn to the milking parlor. Dairy cows produce about 8 gallons of milk per day. There are 8 pints in one gallon. How many pints of milk will each cow produce every day?

pints

3. Several cows may be in the milking parlor at the same time. One cow starts being milked at 5:15 a.m., and is finished at 5:20 a.m. This is the average time it takes for milking. How long did it take for the cow to be milked?

minutes

4. Some cows are milked three times a day. How many minutes total will each cow spend being milked in a day? Use your answer from question 3 to solve this problem.

minutes

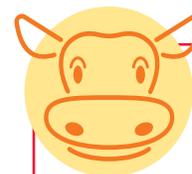
5. In between milkings, cows have plenty of time to eat and rest. Cows rest on average for about 12 hours per day. If one cow rests from 7:30 a.m. to 10:30 a.m., then again from 3 p.m. to 5 p.m., how many hours of rest is this? How many more hours will this cow rest today after 5 p.m.?

hours of rest

more hours

6. Cows can eat and drink all they want. A cow spends about 6 hours a day eating. How many hours is that each week?

hours



Bonus!

Did you know that cows have 32 teeth? They only have teeth on the bottom of their mouths. How many teeth do 30 cows have?

teeth



Local milk is available 365 days a year.



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ASSOCIATION
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