

Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

Water is important for most species' survival. Dairy cows, in particular, liquid for which they are yield will suffer. famous. It is important for plenty of water within a convenient location to keep their herd well hvdrated.

"Cows need to consume between 30 and 50 gal-

Lots of Water to Make Milk

lons of water per day," said water every day."

milk, and cows produce, they want." on average, 70 pounds, or 128 glasses.

require large quantities to ter, and without sufficient near a feed bunk so it's contact the Estill County produce the creamy white water intake, a cow's milk easy for cows to drink after Extension office at 723-

dairy producers to provide liva and other fluids to after being milked. assist them in digesting feedstuffs. If they don't get water trough to have race, color, ethnic origin, national origin, enough water it starts a enough space for multiple chain reaction—digestion, cows to drink at the same feed intake and energy detime," he said. "Three to 5

Donna Amaral-Phillips, ex- per-cow basis in a dairy and the height of the trough tension dairy specialist for herd can be quite difficult should be 2 to 3 feet from the University of Kentucky for any producer," said Jef-College of Agriculture, Food frey Bewley, UK associate and Environment. "That's extension professor. "For cows will help ensure cows more than 415 pounds of this reason, dairy produc- stay hydrated. The water-That number may sound that benefit the entire gallons at time, with a refill extremely high until the herd. That's why we alconsumer realizes it takes low cows ample access to up to 4.5 pounds of water water at the UK Dairy—so fresh, clean water flowing.

a centrally located trough. the job done. Milk is 87 percent wa- Ideally, the trough will be eating. Cows usually drink Dairy cows rely on sa- the most after eating and

> "It's important for the inches of water space per

"Managing water on a cow is usually adequate, the ground."

One waterer per 20 ers have to make decisions ers should hold at least 5 rate of at least 2.5 gallons per minute to keep the to make just 1 pound of they can drink as much as So while it may be hard to monitor each cow's water Dairy managers have to intake, providing enough 8 gallons of milk each day, make sure cows have ac- fresh water and space for which is equal to about cess to water in the barn at the entire herd usually gets

For more information, 4557.

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Cindy Brook

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message every day. It's a numerical puzzle designed to spell out your fortune. Count the letters in your first name. If the number of letters is 6 or more, subtract 4. If the number is less than 6, add 3. The result is your key number. Start at the upper left-hand corner and check one of your key numbers, left to right. Then read the message the letters under the checked figures give you.

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CryptoQuip

This is a simple substitution cipher in which each letter used stands for another. If you think that X equals O, it will equal O throughout the puzzle. Solution is accomplished by trial and error.

Clue: Q equals E

YAQ OYRC, ZAJBA ARE FQBQSYPX

UQQS UREPX ADFY, ZRO MLDSE JS YAQ ZLLEO ARSCJSC LS MLF

EQQF PJMQ.

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CryptoQuote

AXYDLBAAXR is LONGFELLOW

One letter stands for another. In this sample, A is used for the three L's, **X** for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each week the code letters are different

WPAFZIMTPS TS MFWUFZ TR

IQKICR I DTZMLF; OLM

WPAFZIMTPS TS UZTSHTUQF

TR IQKICR I DTHF.

MXPWIR UITSF

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your holiday shopping list. - Brenda Weaver © 2017 by King Features Syndicate, Inc. World rights reserved

Displaying

vintage tools

Use a "shabby chic" wooden frame as a mount for a piece of heavy-gauge

chicken wire cut to fit the frame. Using

small wire pieces, attach old gardening

tools to the chicken wire in a varied,

pleasing arrangement. The aged tools

display well together and make a nice

gift for the gardening enthusiast on



"A man who is good enough to shed his blood for his country, is good enough to be given a square deal afterwards."

–President Teddy Roosevelt

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E-mail: birdingbits@cfl.rr.com Stickeler's Puzzle

A Thankful Heart

They fill me with joy.

Sometimes I like to sit on a

and watch the birds while I

eat dinner. I think about how

grateful I am for the good life

I have, and how a yard full of

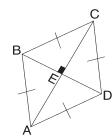
songbirds makes it even better.

stool in front of my patio doors



Rhombus ABCD has an area of 160 square

What is the length of CE? CEA is a diagonal, as is BD.



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Stickeler's Answer on Page 11

New! CryptoQuote puzzles \$3.50 • 6 Volumes • Order at: rbmamall.com units. BD = 16 units. November 8, 2017 FEAR . Puzzles4Kids SAMPLE MALES answer CANYON **SENIOR** SIREN SACRED READS **ESTHER** STEER GRINGO

TASTER

HATRED

BEAKER

"What's the matter, don't your credit cards

work in ___ __ _ _ stores?"

SCRAMBLERS

Unscramble the letters within each rectangle to form four ordinary words. Then rearrange the boxed letters to form the mystery word, which will complete the gag!

Delight **TARTE** Make Do **CUFFIES** Intense RANTED Adorn SHARING

TODAY'S WORD

RANGES NEARS ANGELS LANES GRASSY **GRAYS Letter Box**

START

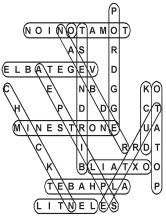
EARTH

BREAK

Solution

| | | Q | | | | | | |
|---|---|---|---------|---|---|---|---|---|
| | | U | | | | | | |
| С | 0 | Z | Υ | Q | U | _ | L | Т |
| | | Т | | | | | | |
| U | Υ | | С | Ζ | Т | ∟ | 0 | Q |
| Q | С | L | \perp | U | 0 | Т | Ζ | Υ |
| Ι | Т | Υ | 0 | С | Q | Z | U | L |
| Z | U | 0 | Г | Υ | | Q | Т | С |
| L | Q | С | U | Т | Z | Υ | Ī | 0 |

- SOUP



CryptoQuip answer

The stag, which had recently been badly hurt, was found in the woods hanging on for deer life

CryptoQuote answer

Moderation in temper is always a virtue; but moderation in principle is always a vice. Thomas Paine

U B U M

Even Exchange

1. Clover, Clever

2. Borrow, Burrow

3. Nurse, Norse

4. Shock, Shack

5. Green, Greet

E B E N I G N

G A U D

6. Trades, Grades

7. Rusty, Dusty

8. Scram, Scrap

9. Beauty, Beatty

10. Peach, Perch

King Crossword **Answers** Solution time: 21 mins.



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sands of millions (Gen 24:60); Bed; 3) Numbers; 4) Thou-(S;bIO. | SA3WENA

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