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According to University of Kentucky Extension Veterinarian Dr. Michelle Arnold, beef producers with spring calving herds should begin feeding mineral with magnesium now. Grass tetany is a disorder caused by an abnormally low amount of magnesium in the blood of cattle and sheep. Grass tetany occurs most often in animals grazing lush spring forages-- especially small grains and cool-season grasses.

Grass tetany is most common in spring calving

Preventing Grass Tetany in Cattle

cows, especially if they are high producers in their third to fifth lactation. Several factors contribute to the increased incidence of tetany at this time. The magnesium requirement of cows doubles from late gestation to early lactation (from 9 grams to 21 to 22 grams). When this rapid change in magnesium needed by the cow is coupled with lowered magnesium in the plant, along with certain components that lower the availability of magnesium (such as high applications of nitrogen and potassium fertilizers), tetany can develop. Weather can also have an effect; the greatest threat is when temperatures are between 40oF and 60oF. Temperatures in excess of 60oF for a week markedly decrease the incidence of tetany. When all of these factors are combined, the risk can be high.

Cattle affected with grass tetany might isolate themselves from the herd

and stagger. As the disease progresses, they may exhibit extreme nervousness, rapid breathing, and muscle trembling. They might become aggressive and charge anyone in the pasture. In the most severe stage, the animal collapses to the ground with muscular spasms. Treatment must be given rapidly as death can occur within an hour after the onset of convulsions. Consult a veterinarian about treatment procedures.

As a producer, you should be concerned with preventing tetany. About 2 ounces of magnesium oxide (22 grams of magnesium) is recommended to meet the magnesium needs of lactating beef cows. Since legumes are higher in magnesium than grasses, feeding cows legume hay during the early spring may supply some magnesium. Cows grazing spring grass pasture should have magnesium in the mineral mixture;

in "high risk" situations, it may be supplied in a supplement. Many commercial mixtures are available in various forms to prevent tetany. Before you make a purchase, determine if the product will give adequate magnesium intake. This depends on the magnesium content and the expected consumption of the product. Both should be listed on the tag. If it appears that magnesium intake will not be adequate, a product with more magnesium or greater intake should be used. In "high risk" situations where tetany is a frequent problem, it might be necessary to force feed the daily magnesium needs. Magnesium oxide can be included in a grain or protein supplement.

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Wishing Well®

4	3	6	2	3	2	4	7	2	5	8	4	7
C	U	P	L	N	O	H	M	T	B	A	E	I
4	2	8	4	8	7	4	7	3	6	7	2	8
R	S	C	I	T	N	S	D	D	R	O	O	I
6	4	3	6	7	4	2	4	6	5	4	3	4
O	H	A	N	V	Y	F	O	O	U	U	U	R
7	5	6	4	2	3	5	6	3	8	2	6	5
E	S	U	H	G	N	Y	N	T	V	R	C	F
7	3	2	8	6	2	4	8	2	7	5	7	8
R	E	E	I	E	E	O	T	N	M	U	A	Y
3	4	7	3	4	3	8	6	8	6	3	5	7
D	M	T	E	E	F	H	D	I	L	F	T	T
8	6	3	6	8	6	5	3	7	5	7	3	5
G	O	O	V	H	E	U	R	E	R	R	T	E

HERE IS A PLEASANT LITTLE GAME that will give you a 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: E equals B

DW X EXLFAUEXQQ RQXHAO FARU

UZA EXQQ UI ZDTLAQW, LITAIVA

GICQN HAQQ "ZIXONAO DV UZA

GICOU!"

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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.

VUM UZYVH CMWACDMC EUA

KAMY PAV CMDMDRMC VUM

OZYV EGFF WGPK UGDYMFV

JAPKMDPMK VA CMOMZV GV.

— TAUP RBJUZP

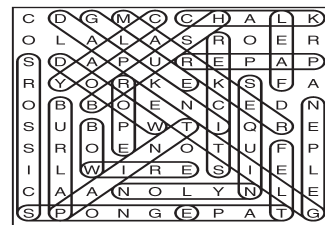
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Puzzle Answers

February 19, 2020

Puzzles4Kids

Answer



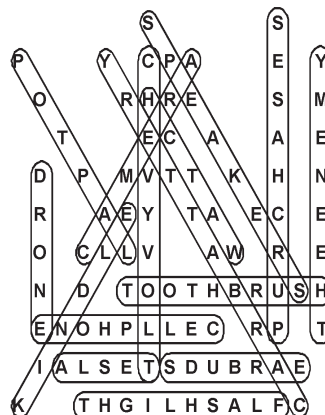
Riddle Answer:
Color - adok.

Weekly SUDOKU

Answer

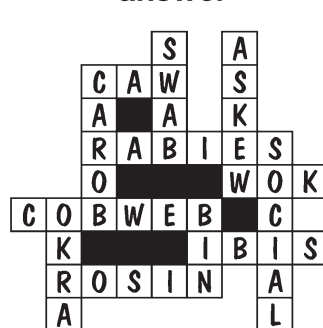
4	5	2	7	9	1	8	3	6
9	8	1	3	6	2	5	7	4
3	6	7	4	5	8	1	2	9
8	1	3	9	4	6	2	5	7
7	2	9	5	1	3	4	6	8
6	4	5	2	8	7	9	1	3
5	7	6	8	2	4	3	9	1
2	3	4	1	7	9	6	8	5
1	9	8	6	3	5	7	4	2

THINGS WE CHARGE



FEAR & KNIGHT

answer



Even Exchange

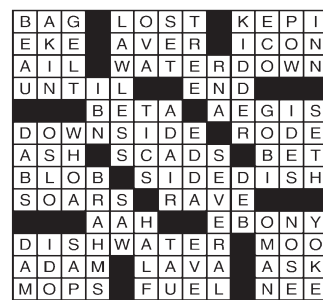
answers

1. Marble, Warble
2. Peace, Place
3. Stint, Saint
4. Recipe, Recite
5. Convey, Convoy
6. Worth, North
7. Miner, Miser
8. Errant, Errand
9. Heist, Hoist
10. Nickel, Nicked

King Crossword

Answers

Solution time: 25 mins.



Letter Box

Solution

A	R	E	O	Z	B	N	C	I
N	B	I	C	R	E	Z	A	O
O	C	Z	I	N	A	E	R	B
I	E	B	A	C	O	R	N	Z
R	N	A	Z	B	I	O	E	C
Z	O	C	N	E	R	B	I	A
E	I	O	R	A	Z	C	B	N
B	Z	N	E	I	C	A	O	R
C	A	R	B	O	N	I	Z	E

Bible Trivia Answers

"Test Your Bible Knowledge," with 1,206 multiple-choice questions by columnist Wilson Casey, is available in bookstores and online.

ANSWERS (1) Old; (2) Zephaniah; (3) Jacob; (4) Love; (5) City gate; (6) Cana

Farming News

Thursday, February 27th at 9am-3pm
Homebased Microprocessor Workshop

For any farmers interested in a Homebased Microprocessor Workshop, one is scheduled Thursday, February 27th, 9am-3pm, at the Estill County Extension office, 76 Golden Court in Irvine. This workshop is required to become a Homebased Microprocessor in Kentucky. It is the first in a series of steps which includes recipe approval, verification of an approved water source, and annual certification by the Kentucky Food Safety Branch. To qualify, farmers must live and farm in Kentucky. The cost is \$50. The final product must contain a fruit, vegetable or herb grown by the farmer and may be sold only in specified locations. For more details or to register, visit the following internet page address: https://fcs-hes.ca.uky.edu/homebased_processing_microprocessing

Select the location you wish to attend the training on the right column. An online form will open for you to complete. For payment information or for details, contact UK Extension food preservation specialist Annhall Norris at 859-257-1812.

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Stickeler's Puzzle

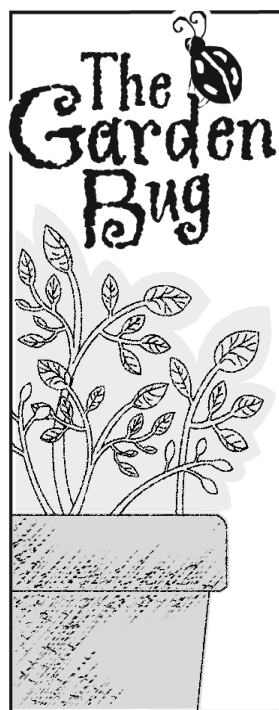
STICKELERS
by Terry Stickels

We found only two common words in the English language that end in the letters "shion."

What are they?

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Stickeler's Answer on Page 11



Planning your garden style

- Consider a **container garden** to grow your fruits, vegetables, or herbs. Only a small, sunny area is needed for your pots.
- You can choose a **raised garden bed**. This works for smaller properties, or if you prefer multiple small beds instead of one large plot.
- You can plan an **in-ground garden**. Make sure the area receives good sun, then plan its dimensions, what you will plant in it, and how much you will plant. Prepare the soil and the water source to be used. Schedule the planting and maintenance. - B. Weaver

Source: morningchores.com

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Double Duty

Give migrating finches and buntings a little boost this year by mixing equal portions of thistle seed, sunflower chips and white proso millet. Toss on the ground near a bush or brush pile. You'll be glad you did when you see one of these little beauties land in your yard.

E-mail: birdingbits@cfl.rr.com

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TIGER

