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Transplanting Trees

confinement of the roots and ultimately girdling of the trunk.

Roots grow through the path of least resistance. Digging large planting holes is one of the best things that you can do for a newly transplanted tree or shrub. Two or three times the diameter of the soilball is usually large enough. While the planting hole should be dug much wider than the soilball, it should never be any deeper than the soilball is tall. The plant should be installed so that the upper most roots in the soilball are 1 to 2-inches below the soil surface. The only way to know this is to locate them in the soilball. Gently remove the upper layer of soil until you find the first large roots coming out of the trunk. These "first order" roots must be close to the soil surface.

If the hole is dug too deep for the first order roots to be near the surface, you must add enough soil to raise the first order roots to the proper grade. This soil must be firmed in the bottom of the planting hole to prevent the soilball from settling. Soilballs that settle allow surface water to collect resulting in smothering and death of roots. Planting too shallow results in roots drying out and dying. If the top of the soilball is allowed to dry, it then becomes hard to re-wet.

Adding amendments like compost or peat

moss to the backfill will not make much of a difference for plants in very good soils. It is best to have the same type of soil inside and outside the planting hole. In poor and dry soils, adding some compost to the backfill can be beneficial.

After the soilball has been placed in the planting hole and you are sure that it is at the correct level, it is time to remove any remaining materials that protected the soilball in transit. This includes all twine, burlap, wire baskets, and any other materials around the soilball or trunk.

While oxygen is essential for root growth, roots do not grow through air pockets. The best way to settle the soil and remove air pockets is to use water to gently settle the soil. After the planting hole has been partially filled with soil, water it thoroughly. Fill the hole with more soil and water again to settle the soil. Repeat this until the soil in the planting hole is level with the surrounding soil.

Mulching is one of the best things that we can do for a plant but you can overdo it. Mulch should be 2 to 3-inches deep. It should be coarse and organic. Mulch should be about 3 or 4-inches away from the trunk and extend out at least past the edge of the planting hole. Most bare root trees will need to be staked after planting. Most balled and burlapped and container grown trees and

shrubs do NOT need to be staked. Plants should be staked only if there is a real potential for the plant to blow over.

Water, either too much or not enough is the most common reason plants die in the first one to two years after transplanting. Water once a week during the growing season when the plant does not receive at least 1-inch of rain.

It is always easier to add water than to get rid of it in a poorly drained soil. This is why a perk test is important in determining if the soil will drain sufficiently to grow plants that are not tolerant of wet feet. Site selection is important to success. Container-grown plants are produced in soil-less mixes that are better drained than natural soil. If these materials are not partially removed so that existing roots are surrounding by real soil, they can remain dry out even if the soil in the backfill is wet.

Be sure to keep all mowers and string trimmers away from the base of the tree and protect the trunk from sunscald the first winter after transplanting.

For more information about trees and shrubs, contact the Estill County Extension office at 723-4557.

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Wishing Well®

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

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: J equals W

JSQL MJV EOFKGFYNR GOLN

MVHQMSQY JSFKQ JVIYFLH VL

O MORI, UVTKN AVT ROA

MSQA OYQ UVL-EVFLQN?

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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.

OH KNR QTOXB QWBOXI MWGP

NH KNRGAPUH OA APUHOAT,

MTWXIP KNRG JOXY. OH KNR

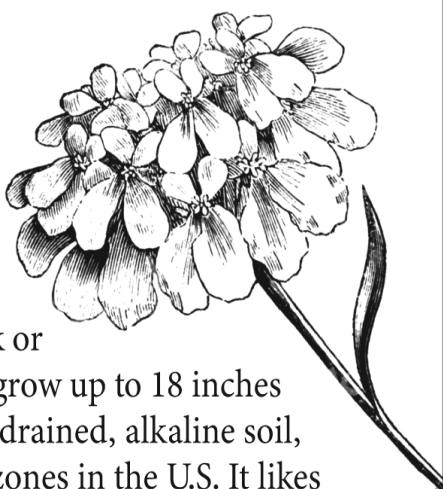
YNX'Q, KNR'GP AOJFUK YRMBOXI

KNRG GPAFNXAOSOUOQOPA.

— WXX GOMTWGYA

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The Garden Bug Candytuft



This showy beauty usually has white flowers, but sometimes pink or lilac varieties are available. It can grow up to 18 inches tall. The candytuft likes very well-drained, alkaline soil, lots of sun and does well in most zones in the U.S. It likes stony or gravelly areas, making it a great plant for a rock garden or along a rock wall. Its blooms early spring through summer, and sometimes will bloom again in autumn. - Brenda Weaver

Source: www.gardeningknowhow.com

Birding BITS BY Cindy Brook

April Showers

If you live in an area where it rains a lot this time of year, be sure to keep your feeders as clean and dry as possible. Wet seed causes bacteria growth that can make birds sick. If possible, bring your feeders in at night to help keep them dry.

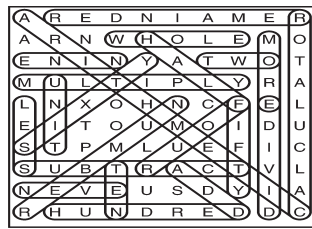
E-mail: birdingbits@cl.rr.com

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Puzzle Answers

April 17, 2019

Puzzles4Kids Answer

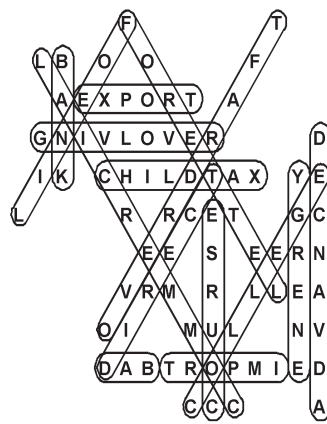


Riddle Answer:
An octo-plus.

Letter Box Solution

B	O	X	E	D	G	I	F	T
T	F	E	O	X	I	B	G	D
I	D	G	T	B	F	O	E	X
O	T	D	F	E	X	G	B	I
G	I	F	B	T	O	D	X	E
E	X	B	G	I	D	F	T	O
D	B	I	X	G	T	E	O	F
F	G	T	I	O	E	X	D	B
X	E	O	D	F	B	T	I	G

— CREDIT



CryptoQuip answer

When two jailbirds band together while working on a task, could you say they are con-joined?

CryptoQuote answer

If you think taking care of yourself is selfish, change your mind. If you don't, you're simply ducking your responsibilities.
— Ann Richards

FEAR & KNOT answer



Even Exchange answers

1. Leave, Weave
2. Forger, Former
3. Moore, Moose
4. Change, Chance
5. Shrub, Shrug
6. Kitten, Mitten
7. Nanny, Nancy
8. Expert, Export
9. Yodel, Model
10. Temp, Tempo

Weekly SUDOKU

Answer

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

King Crossword Answers

Solution time: 21 mins.

L	I	P	D	I	A	L	S	C	A	B	
A	D	E	E	G	R	E	T	A	L	E	
C	A	R	P	E	N	T	E	R	R	O	E
R	A	C	K	E	T	S	A	G	O		
A	G	A	D	E	W	M	O	O	N	S	
C	U	R	B	R	A	J	G	L	E	E	
K	E	P	I	S	G	U	M	E	A	R	
N	I	C	K	E	L	I	L	L			
A	B	C	K	A	R	P	E	D	I	E	M
V	I	I	K	N	E	E	S				
E	D	O	S	T	A	R	T	E	N	D	

Farming News

Local effort to help Nebraska victims

Estill County Cattlemen's Association, Cooperative Extension, and Estill County FFA Chapter have teamed up to help collect donations for Nebraska farm families devastated by flooding in March and April snow storm. Flooding devastation to Nebraska's agriculture community is estimated at 1 billion dollars.

If you would like to help, please see the list of items we are collecting to send. We will collect donations at the Estill County fairgrounds on Tuesday, April 23rd from 5 p.m. to 7 p.m. We will deliver the donations to a Kentucky Department of Agriculture warehouse located Frankfort. From there, all items will be loaded and trucked to Nebraska.

Agriculture items we are collecting include: 50# bags of feed, hay that was stored inside, 14.5 gauge barb wire, rolls of high-tensile wire, 4" x 7.5' wood line posts, steel t-posts, electric fence posts, wire clips for t-posts, steeples, electric fence posts, and electric insulators. NOTE: If you have hay, feed, or other bulky items, please call the Estill County Extension office at 723-4557 to see if the items can be transported.

General-use items being collecting include: mops, buckets, laundry detergent, Lysol cleaner, Latex gloves, personal hygiene items, toilet paper, facial tissue, air mattresses, baby formula, baby food, baby wipes, diapers, non-perishable food items, cases of bottle water, water jugs, hand sanitizer, and large trash bags. If you have questions, contact the Extension office at 723-4557.

Stickeler's Puzzle

STICKELERS [sic] by Terry Stickels

How many individual cubes are in the figure below? All rows and columns run to completion unless you actually see them end.

- 12
- 14
- 15
- 16



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Stickeler's Answer on Page 11

DANNY NEWMAN
Now Hauling Gravel for Tipton Ridge Quarry
Single-Axle Dump Truck
Loads Range From 1 to 12 Tons
(606) 723-9816 or
(606) 643-6118

Bible Trivia Answers

Now available by Wilson Casey! 2017 Bible Trivia box calendar loaded with daily teasers.

ANSWER: (1) Neither; (2) Mat-
thew (27:65-66); (3) An angel;
the (27:65-66); (4) Disciples; (5) Thomas (called
Didymus); (6) 40 days (Acts 1:3)