

**2011 New York State 4-H Senior Horse Bowl
Round 3**

One-On-One

1. C1 Q. Horse shoe nails have a shank that is flat on one side and the other side is concave. When driving a nail, the nail should be started with which side facing the outside of the hoof?
- A. Flat side should be outside
- S. Evans p. 745 900/3
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2. C2 Q. Which type of martingale combines the action of both the snaffle rein and draw reins?
- A. German martingale
- S. DET p. 120 1000/3
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3. C3 Q. What is the common term for the fungal infection commonly found in the girth area and known as Dermatophytosis?
- A. Ringworm (also accept girth itch)
- S. ES p. 187 835/2
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4. C4 Q. In regards to equine business, what does the Latin expression “caveat emptor” refer to?
- A. Let the buyer beware
- S. DET p. 52 940/3

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5. C1 Q. The largest percentage of which mineral is found in the myoglobin or hemoglobin in the horse's body?
- A. Iron
- S. Lewis p. 38 750/3
-
6. C2 Q. Which takes more time to pass from the horse's stomach into the small intestine...hay or water?
- A. Hay
- S. ES p. 111 430/2
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7. C3 Q. What rodeo event are you competing in if you are "bulldogging"?
- A. Steer wrestling
- S. DET p. 43 1060/3
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8. C4 Q. Osselets are calcifications that occur as a result of traumatic arthritis located in which joint?
- A. Fetlock joint
- S. HIH 455-5 620/3

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9. C1 Q. Which category of nutrient is the **primary** concern in regards to maintaining body weight?
- A. Energy (also accept carbohydrates **and** fats but must give **both** answers to be correct)
- S. AYLM ADV 304-2L 710/3
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10. C2 Q. How often should horses be offered water when trailering long distances?
- A. Every 3-4 hours
- S. AYLM ADV 301-2L 960/3
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11. C3 Q. Which pony breed has adapted to living in a climate with harsh winds and rain by developing fleshy upper and lower eyelids known as “hooded eyes” ?
- A. Exmoor
- S. HIH 157B-2 200/3
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12. C4 Q. What is the ideal percentage for the moisture content of hay when it is baled?
- A. Anything less than 20%
- S. HIH p. 750-4 780/3

End One-On-One

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Begin Open Questions

13. Q. What type of gait defect usually occurs in a horse with a toe-out or splay-footed conformation?

A. Dishng (also accept winging in)

S. Evans p. 181 640/2

14. Q. A synthetic breed is started by crossing two or more breeds and then breeding the first generations of the crossbred animals. What synthetic pony breed was developed from crossing the Shetland, Welsh, Hackney and Standardbred breeds?

A. Trottingbred

S. Evans p. 67 200/3

15. Q. You do the math... How many **furlongs** did your horse run in the Belmont Stakes which is a **1 ½ mile** race?

A. 12 furlongs (8 furlongs per mile)

S. Evans p. 20; DET p. 27 1040/3

16. Q. What color results from a double dilution of chestnut?

A. Cremello

S. Evans p. 475 550/3

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Toss Up – Bonus Attached

17. Q. (Two Part) What directional term refers to a structure located closer to the head and what term refers to a structure closer to the tail?

A. Cranial (head); Caudal (tail)

S. Kainer plate 2 400/3

Bonus Question

18. Q. (Bonus) Identify **six** factors that would result in a horse that is underweight or too thin.

A. Parasites	Malabsorption
Milk production (lactation)	Inadequate amount of feed
Hard work	Poor quality feed
Poor teeth	Illness
Too much competition in group feeding	Starvation

S. Evans pp. 295-296 700/4

Resume Open Questions

19. Q. Are **most** poisonous plants “more” or “less” toxic as the plant matures?

A. Less toxic

S. Lewis pp. 303-304, etc. 770/3

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20. Q. What is the most common symptom of black walnut poisoning?
A. Laminitis (founder)
S. Lewis p 323 770/2
21. Q. What is a tandem hitch?
A. A 2 horse hitch where the horses are hitched one in front of the other
S. DET p. 263 1050/3
22. Q. When comparing the nutrient value of timothy and orchard grass in a hay sample, which grass provides the highest percent of crude protein?
A. Orchard grass
S. HIH 760-5 780/3
23. Q. Identify **one** of the two breeds that were crossed to form the Azteca breed.
A. Andalusian and Quarter Horse
S. DET p. 19 200/3

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Toss Up – Bonus Attached

24. Q. What are the **three** types of trail rides?
- A. Social (pleasure), competitive and endurance
- S. DET p. 273 1070/4

Bonus Question

25. Q. (Bonus) There are 12 cranial nerves. Identify **four** of these nerves.
- | | |
|------------|-------------------------|
| A. Optic | Facial |
| Olfactory | Vestibulocochlear |
| Oculomotor | Glossopharyngeal |
| Trochlear | Vagus |
| Trigeminal | Accessory (spinal root) |
| Abducent | Hypoglossal |
- S. Kainer plate 78 420/3

Resume Open Questions

26. Q. What type of parasite usually only occurs in horses that are grazed in pastures with donkeys?
- A. Lungworms
- S. Lewis p. 159 835/3

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27. Q. The heart bar shoe is used on a horse with laminitis to aid in pain relief and healing. To what structure does the heart bar shoe temporarily transfer the weight to?

A. Frog

S. HIH 515-4 900/3

28. Q. Which type of vision has been essential for the horse's survival by increasing its ability to see potential predators?

A. Monocular vision

S. ES p. 57 825/3

29. Q. What is the common name for the proximal interphalangeal joint?

A. Pastern joint

S. Evans p. 689 410/3

Last Question of the Round

30. Q. What type of tick can cause death in the horse as a result of starvation due to "tick-bite paralysis"?

A. Rocky Mountain wood tick (also accept Rocky Mountain tick and Dermacentor andersoni)

S. AYLM ADV 300-3L; HIH 415-7 835/4