

PURDUE EXTENSION BOONE COUNTY

4-H STARTER CALF WORKSHEETS

Grade 10-B



Name: _____

Club Name: _____

Grade: _____

Date: _____

CATTLE STRUCTURAL DIFFERENCES

Fill in the term used to describe the following structural conditions.

Word Bank

knock kneed or splayfooted

cow hocked

sickle hocked

postlegged

pigeon toed or bowlegged

buck kneed

calf kneed

1. When evaluating breeding cattle, several important characteristics must be examined. These characteristics include:

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____

2. What does the grade of L2 mean in the USDA Feeder Calf System?

3. When evaluating feeder calves, finish or fat cover is not a priority. In fact, excessively fat Feeder calves can be an indication of _____ or very early _____.

Answers can be found in the OSU Beef Resource Handbook – 4-H 117R.

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This material may be available in alternative format.

4. Frame scores are a way of estimating what size cattle will be when they are fully grown. It is based on the height of an animal at the hips, at different ages. (Note: See Frame Charts page 2-17 in Beef Resources Handbook 4-H 117R). Find these Frame Scores:

	<u>Frame Score</u>
Heifer, Age 12 Months, 47.0" Hip Height =	_____
Bull, Age 20 Months, 56.9" Hip Height =	_____
Heifer, Age 17 Months, 51.1" Hip Height =	_____

5. What traits would contribute to volume and capacity in breeding stock evaluation?

_____ level rump
_____ spring of rib
_____ depth of rib
_____ smooth and uniform fat cover over ribs
_____ width and depth of stifle

6. List four of the seven signs of heat.

7. The general procedure for Artificial Insemination breeding is to follow the _____ rule. If the cow shows signs of standing heat at night, breed her in the morning. If she shows signs of heat in the morning, breed her at night.

8. After a heifer or cow calves, she needs approximately _____% more energy, 50% more _____, 50% more calcium and _____% more phosphorus in her diet. In addition Vitamin A requirement increases about _____%.

9. Structural correctness in breeding cattle is important. Check the characteristics that could Refer to structural correctness.

_____ level from hooks to pins
_____ thickness of quarter
_____ move with a long, reaching stride
_____ proper slope to the shoulder
_____ width of chest

Answers can be found in the OSU Beef Resource Handbook – 4-H 117R.