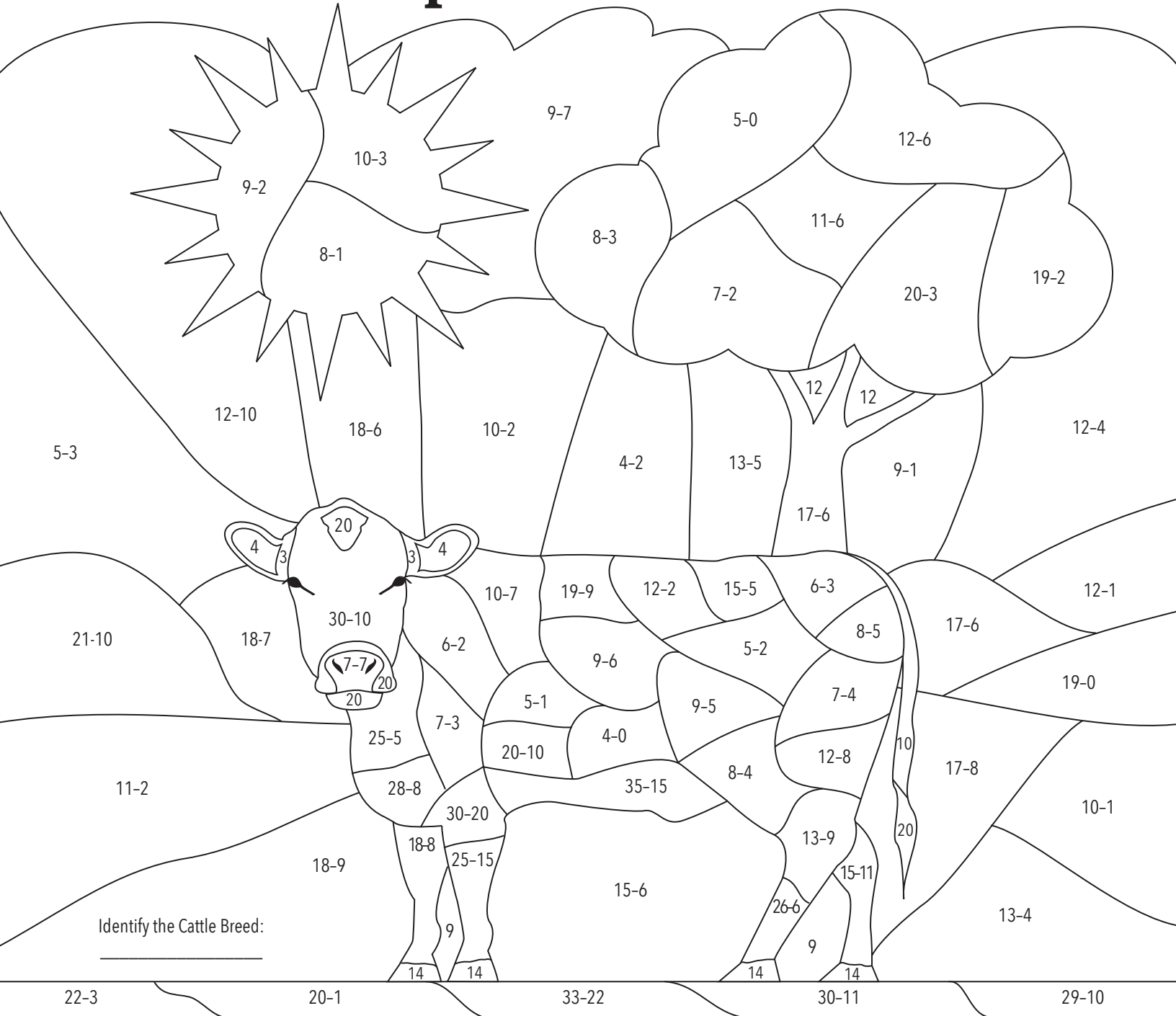


Beef Up Your Subtraction



Answer: Polled Hereford

INSTRUCTIONS

Solve the math problems, then using the key, color the picture. Identify the Cattle Breed you colored by reading the California Cattle Breed Facts.

- Yellow = 7
- Light Blue = 2, 8, 12
- Light Green = 5, 6, 9, or 17
- Reddish-Brown = 3, 4, 10, 13
- Dark Green = 18
- Pink = 0
- White = 20
- Black = 15
- Brown = 11 or 19
- Gray = 14

CALIFORNIA CATTLE BREED FACTS

ANGUS cattle originated in Scotland and can be solid black or red. Angus cattle are polled, meaning they don't have horns.

HEREFORD cattle originated in England and are reddish-brown with all white faces. They also have white on their chest, belly, and legs. Hereford cattle have horns. Polled Hereford cattle do not.

CHAROLAIS cattle originated in France and are white or light tan in color. Charolais have horns, so are dehorned at a young age.

SIMMENTAL cattle originated in Switzerland and are usually reddish-brown with some white markings. Simmental cattle are among the oldest and most widely distributed breeds in the world.

GELBVIEWH cattle originated in Bavaria, in Southern Germany. Gelbvieh cattle are reddish-brown and were not introduced into the U.S. until the 1970's.



Beef Up Your Subtraction

Think Like a Cattle Rancher!

| | |
|--|---|
| <p>A</p> <p>Pen #1 Cows stay with their calves until they are weaned between 6 to 8 months of age. There were 8 cows and 8 calves in the pen; 4 calves were moved to another pen for weaning. How many cows and calves are left in the pen?</p> | <p>B</p> <p>Pen #3 Safe and proper fencing are important for all farm animals. If a fence isn't tall enough, is broken, or a gate left open, animals can escape. Twenty-two cows were in a pen; eight jumped over a broken fence. How many cows are left in the pen?</p> |
| <p>Pen #2 Ranchers often bring their cattle in for health checks. Once the cattle have been checked, they are taken back out to pasture. There were 18 cattle in a pen, then 12 were moved out to pasture. How many cattle are left in the pen?</p> | |
| <p>Pasture #1 </p> <p>Once cattle weigh approximately 1,200 to 1,400 pounds, they are sent to market. A rancher has two steers that are ready for market. Steer A weighs 1,265 pounds. Steer B weighs 1,398 pounds. How many more pounds does steer B weigh than steer A?</p> | |
| <p style="text-align: center;">Pasture #2 </p> <p style="text-align: center;">A steer weighs 967 pounds. How many more pounds does it have to gain before it can go to market?</p> | |
| <p>D</p> | <p>C</p> |

Answers: Pen#1: 12 cows (8) & calves (4); Pen#2: 6 cattle; Pen#3: 14 cows; Pasture#1: 133 lbs.; Pasture#2: 233 lbs.; Use a ruler: Pasture#1: 17.75" Pasture#2: 17.75" Fence line: 28"

Use a ruler!

Measure and record the perimeter of your pastures using inches.

Pasture 1: _____ Pasture 2: _____

You are the rancher and need to replace your fences. Find the combined total "fence line" or perimeter of the pastures. Hint: you will only count a shared fence one time. Total fence line perimeter:

California Standards

- CCSS Math: 1.OA.1, 3, 6; 2.OA.1, 2; 2.NBT.5; 2.MD.1, 5; 3.OA.8; 3.MD.4, 8; 4.NBT.4; 4.MD.2
- Visual Arts Content: 1-4, 5.0