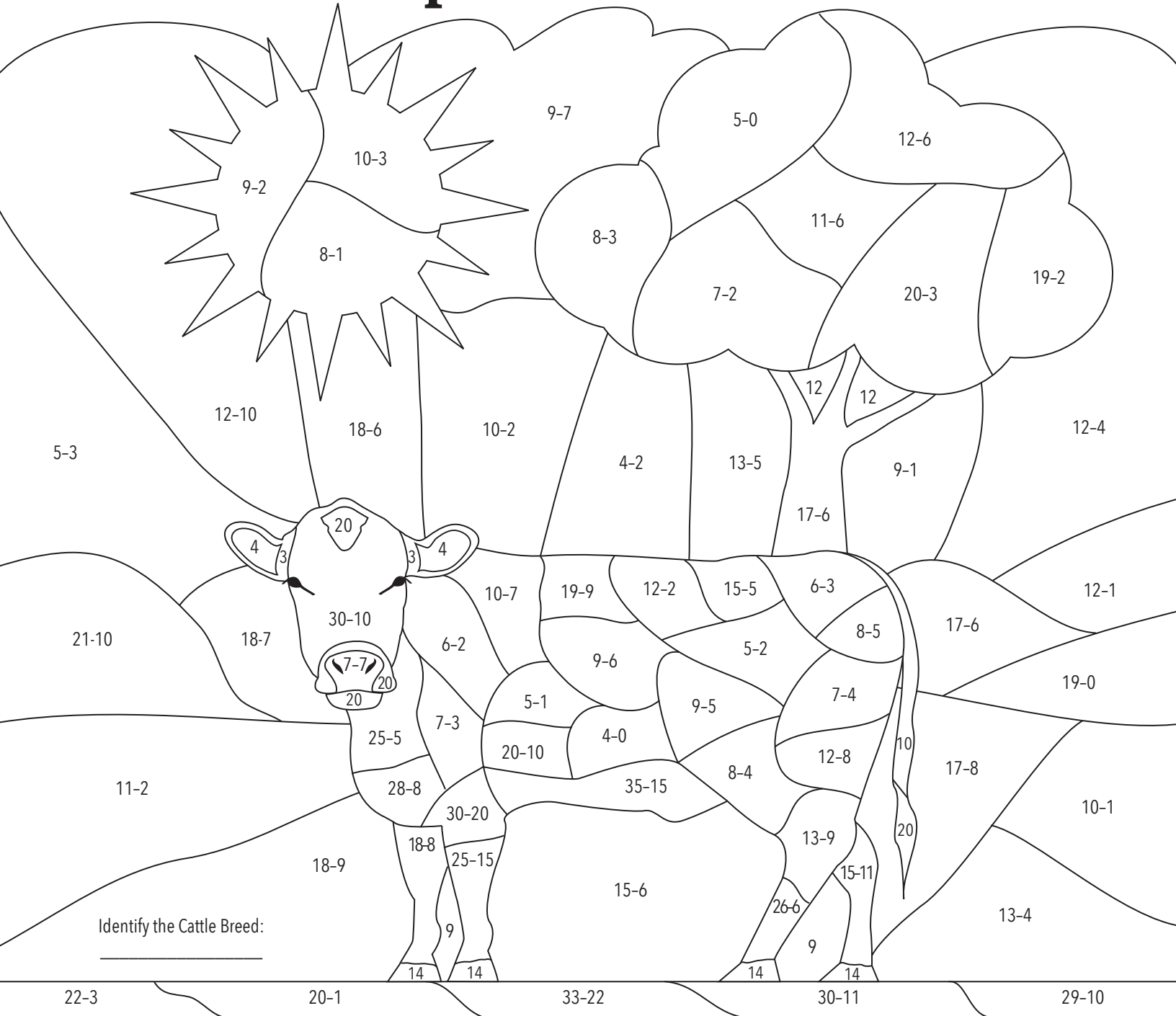


# Beef Up Your Subtraction



Identify the Cattle Breed:

\_\_\_\_\_

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.

**GELBIVIEH** 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><b>A</b></p> <p><b>Pen #1</b>  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>B</b></p> <p><b>Pen #3</b>  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><b>Pen #2</b>  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><b>Pasture #1</b>  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;"><b>Pasture #2</b> </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><b>D</b></p>	<p><b>C</b></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