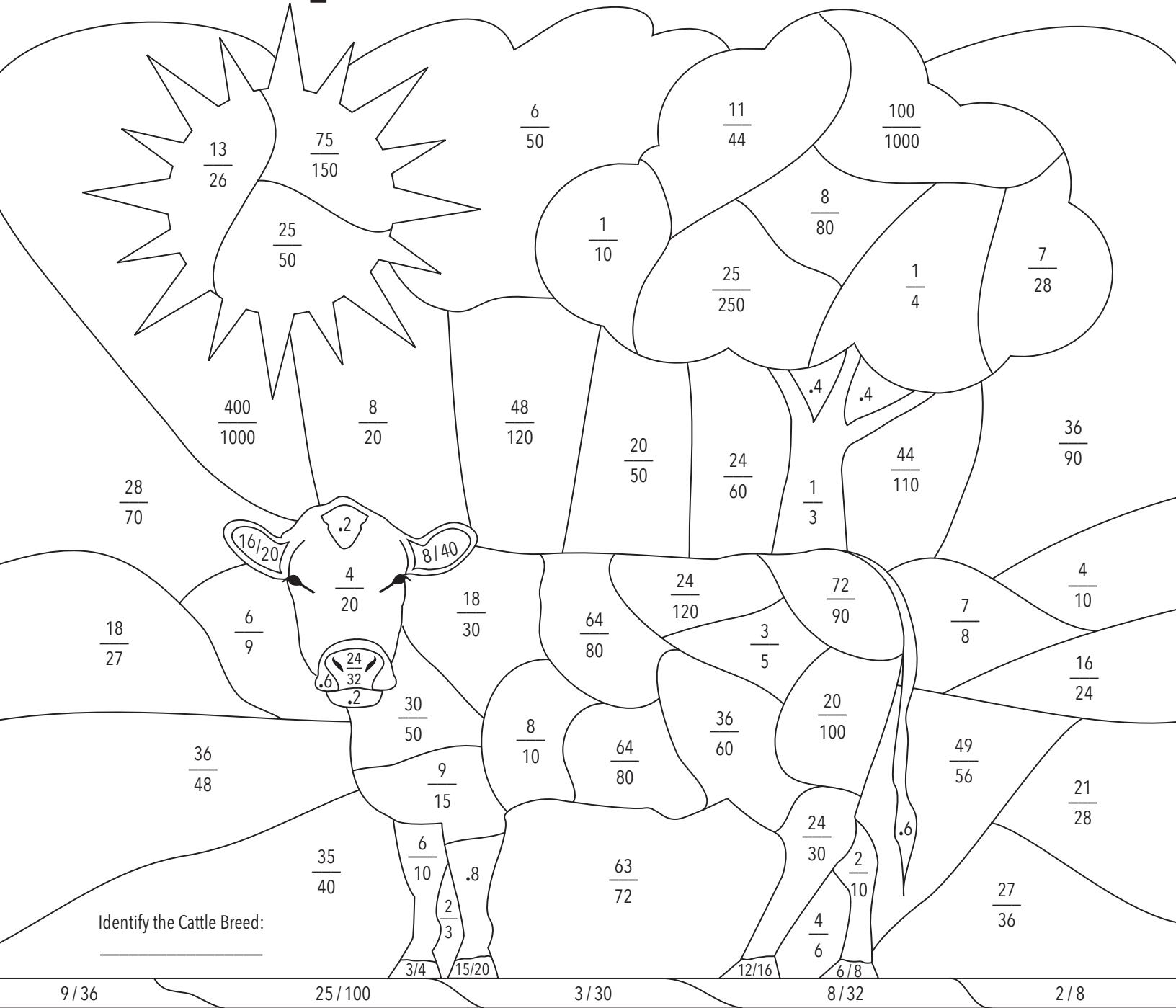


Beef Up Your Fractions & Decimals



Identify the Cattle Breed:

Answer: Gelbvieh

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.

- Orange = .5
- Light Blue = .4
- Light Green = .66, .875
- Reddish-Brown = .2, .6, .8
- Dark Green = .1, .25
- Pink = .7
- White = .12
- Black = .9
- Brown = .33
- Tan = .75

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.

GELBIEH 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 Fractions & Decimals

Think Like a Cattle Rancher!

A

B

Pen #1 

68 out of 90 cattle have brands. Write the fraction and decimal.

Pen #3 

Walter has 400 cattle in his herd. 31% of them are Angus and the rest are Hereford. How many Hereford cattle are there?

Pen #2 

A rancher had 57 pregnant cows this year, 23 of the calves were male. What percent were female?

Pasture #1 

Many cuts of beef are 20 percent leaner than they were 15 years ago. Draw a picture to represent 20% as a part of a whole. Draw a picture to represent 20% as a part of a set. Represent as a decimal.

Pasture #2 

A steer needs approximately 1 gallon per 100 pounds of body weight during cold weather and nearly 2 gallons per 100 pounds of body weight during the hottest weather. How many gallons of water would a 1150-pound steer need during the summer? If a steer needs 9 gallons of water in the winter, approximately how much does it weigh?

D

C

Use a ruler: Pen 1: 3.25" = 8.26 cm, 1.75 in = 4.45 cm; Pen 2: 3.25" = 8.26 cm, 2" = 5.08 cm; Pen 3: 3.25" = 8.26 cm, 2" = 5.08 cm; Pen #3: 276 Hereford; Pasture #1: drawings may vary, 20 ; Pasture #2: 23 gallons, 900 lbs; Answers: Pen #1: 34/45, 76%; Pen #2: 60% female; Pen #3: 276 Hereford; Pasture #1: drawings may vary, 20 ; Pasture #2: 23 gallons, 900 lbs;

Use a ruler!

Measure the sides of all pens and pastures in inches. Record your answers on the drawing. Convert your answers to centimeters using this conversion, 1 inch = 2.54 centimeters. Round to the nearest hundredth. Challenge: On another page create a table showing the measurements in inches, ml, cm, and km.

California Standards

- CCSS Math: 3.OA.2, 3, 7; 3.NBT.1, 10; 3.MD.8; 4.OA.3; 4.NBT.3, 6; 4.MD.3; 5.NBT.4, 5, 6; 5.MD.1; 6.NS.2; 6.G.1
- Visual Arts Content: 1-6, 5.0