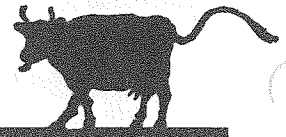


What Do You Call a Cow After She Has a Baby?

Solve each problem using a system of two equations in two variables. Cross out the box that contains your answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.



- ① A boat travels 60 km upstream (against the current) in 5 hours. The boat travels the same distance downstream in 3 hours. What is the rate of the boat in still water? What is the rate of the current?
16 km/h 4 km/h
- ② When a plane flies into the wind, it can travel 3000 km in 6 hours. When it flies with the wind, it can travel the same distance in 5 hours. Find the rate of the plane in still air and the rate of the wind.
550 km/h 50 km/h
- ③ When Lucy swims with the current, she swims 18 km in 2 hours. Against the current, she can swim only 14 km in the same time. How fast can Lucy swim in still water? What is the rate of the current?
8 km/h 1 km/h
- ④ With the wind, a jet can fly 2500 km in 2 h 30 min. Against the wind, it can fly only 2000 km in the same time. Find the rate of the jet in still air and the rate of the wind.
900 km/h 100 km/h
- ⑤ On an upstream trip, a canoe travels 40 km in 5 hours. Downstream, it travels the same distance in half the time. What is the rate of the canoe in still water and the rate of the current?
12 km/h 4 km/h
- ⑥ A duck can fly 2400 m in 10 min with the wind. Against the wind, it can fly only two thirds of this distance in 10 min. How fast could the duck fly in still air? What is the rate of the wind?
200 m/min 40 m/min
- ⑦ With the wind, a plane flew 1400 km in 4 hours. On the return trip, the pilot was forced to land after 1 h 30 min, having traveled only 450 km. Find the rate of the plane in still air and the rate of the wind.
325 km/h 25 km/h
- ⑧ A salmon swims 100 m in 8 min downstream. Upstream, it would take the fish 20 min to swim the same distance. What is the rate of the salmon in still water? What is the rate of the current?
8.75 m/min 3.75 m/min

MA 325 km/h 25 km/h	DE 9.5 m/min 3 m/min	AL 16 km/h 4 km/h	AR 8.75 m/min 3.75 m/min	CA 310 km/h 40 km/h	ME 8 km/h 1 km/h	LL 12 km/h 4 km/h
LF 15 km/h 6 km/h	IN 620 km/h 60 km/h	TO 200 m/min 40 m/min	AT 10 km/h 2 km/h	HE 550 km/h 50 km/h	ED 180 m/min 30 m/min	MA 900 km/h 100 km/h
D E C A L F I N A T E D						

Decalfinated (decaffeinated).