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5) Let h be the number of chickens, and let c be the number of cows.

$h+c=50$ ➀

$2h+4c=118$ ➁

6) Let C be the cost of an internet plan, and let n be the number of hours of usage.

$C=34.95$ ➀

$C=25+0.33n$ ➁

7) Let m be the number of males, and f be the number of females

$m+f=35$ ➀

$m=f+7$ ➁

13) Let C be the cost of a taxi, and let n be the number of km driven

$C=5+0.35n$ ➀

$C=3.5+0.5n$ ➁

14) Let x be the amount invested at 5%, let y be the amount invested at 3.5%

$x+y=10,000$ ➀

$0.05x+0.035y=413$ ➁

15) Let b be the boat speed, and c be the current speed

$b+c=20$ ➀

$b-c=12$ ➁

16) Let x represent the amount of 30% fertilizer, and y represent the amount of 15% fertilizer

$x+y=600$ ➀

$0.3x+0.15y=120$ ➁

17) Let f represent Fran’s income and let w represent Winston’s income

$f+w=80,000$ ➀

$\frac{1}{4}w=\frac{1}{6}f $➁

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11) Let x represent the amount of correct answers, and f the amount of wrong answers

$x+y=30$ ➀

$4x-y=55$ ➁

12) Let x represent the length of the pool, and y the width

2$x+2y=96$ ➀

$x=2y+3$ ➁

13) Let a represent the adult price, and c the child price

$3a+3c=48.95$ ➀

$3a+2c=52.05$ ➁

14) Let n be the amount of nickels, and d the amount of dimes

$n+d=27$ ➀

$0.05n+0.1d=2.15$ ➁

15) Let C be the cost for a service call, and h the amount charged per hour

$C=40+35h$ ➀

$C=50+30h$ ➁

17) Let x be the amount invested at 5%, let y be the amount invested at 10%

$x+y=50,000$ ➀

$0.05x+0.1y=4,000$ ➁

18) Let x represent the amount of 25% acid, and y represent the amount 50% acid

$x+y=500$ ➀

$0.25x+0.5y=170$ ➁

19) Let b be the km traveled by bus, and a be the km traveled by plane

$a+b=1900$ ➀

$\frac{a}{700}+\frac{b}{60}=7$ ➁