

A poultry farm has only chickens and pigs. When the manager of the poultry counted the heads of the stock in the farm, the number totaled up to 200. However, when the number of legs was counted, the number totaled up to 540. How many more chickens were there in the farm? Note: In the farm, each pig had 4 legs and each chicken had 2 legs.

- A. 70
- B. 120
- C. 60
- D. 130
- E. 80

Three years back, a father was 24 years older than his son. At present the father is 5 times as old as the son. How old will the son be three years from now?

- A. 12 years
- B. 6 years
- C. 3 years
- D. 9 years
- E. 27 years

For what values of 'k' will the pair of equations $3x + 4y = 12$ and $kx + 12y = 30$ NOT have a unique solution?

- A. 9
- B. 12

- C. 3
- D. 7.5
- E. 2.5

The basic one-way air fare for a child aged between 3 and 10 years costs half the regular basic fare for an adult plus a reservation charge that is the same on the child's ticket as on the adult's ticket. One reserved ticket for an adult costs \$216 and the cost of a reserved ticket for an adult and a child (aged between 3 and 10) costs \$327. What is the basic fare for the journey for an adult?

- A. \$111
- B. \$52.5
- C. \$210
- D. \$58.5
- E. \$6

Data Sufficiency: Is $y = 3$?

1. $(y - 3)(x - 4) = 0$
2. $(x - 4) = 0$

If $p > 0$, and $x^2 - 11x + p = 0$ has integer roots, how many integer values can 'p' take?

- A. 6
- B. 11
- C. 5
- D. 10

E. Infinitely many

How many real solutions exist for the equation $x^2 - 11|x| - 60 = 0$?

A. 3

B. 2

C. 1

D. 4

E. None