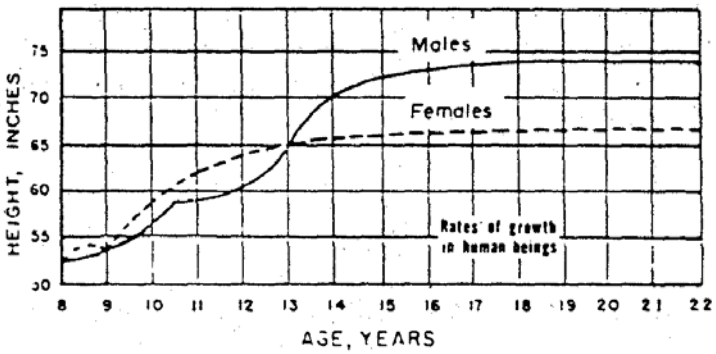
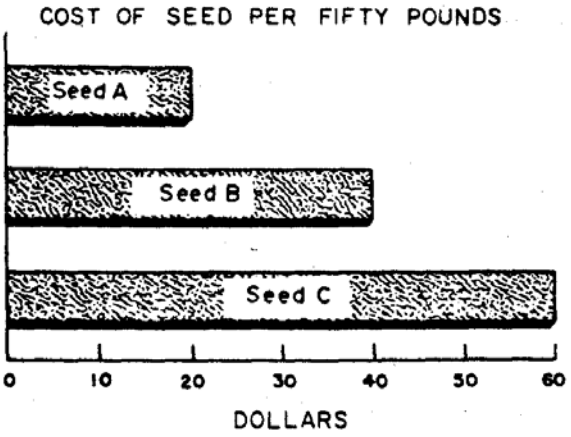
PRACTICE EXERCISES



GRAPH 1

Questions 1 - 5 refer to Graph 1

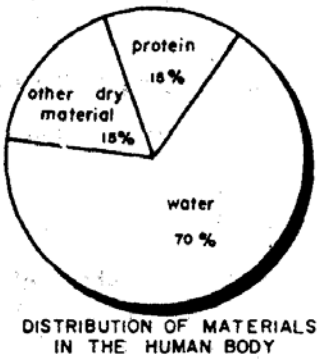
1. How many years old is the male when he reaches the height of an eleven-year-old female?
   (A) 10 (B) 11 (C) 12 (D) 12.2 (E) 12.5
2. How many years old is the male when he is one-half foot taller than the female of the same age?
   (A) 10.5 (B) 13 (C) 15 (D) 17 (E) 20
3. How many years old is the female when she is 4 ft. 7 in. tall?
   (A) 9.2 (B) 9.5 (C) 9.6 (D) 13.3 (E) 21
4. According to this graph, how many years elapse between the occasions when males and females of the same age are also of the same height?
   (A) 3.8 (B) 4.1 (C) 8 (D) 9.2 (E) 13
5. How old is the male when he is 20% taller than the female is at the age of 10.5 years?
   (A) 10 (B) 10.5 (C) 14 (D) 14.5 (E) 15.2



GRAPH 2

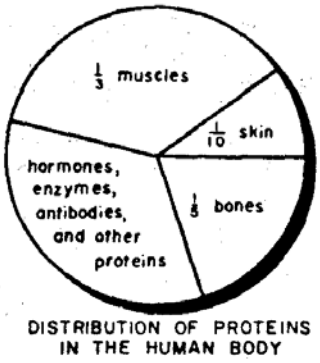
Questions 6 - 9 refer to Graph 2

6. What is the cost of $12\frac{1}{2}$ pounds of Seed B?
   (A) \$10. (B) \$20. (C) \$40.
   (D) \$60 (E) \$75.
7. How many pounds of Seed C would I get for \$30?
   (A) $12\frac{1}{2}$ (B) 25 (C) 50 (D) 100 (E) 900
8. The price of one pound of Seed C is what per cent of the price of one pound of Seed B?
   (A) 20% (B) $33\frac{1}{3}\%$ (C) $66\frac{2}{3}\%$
   (D) 120% (E) 150%
9. What is the ratio of the price of 20 pounds of Seed B to the price of 20 pounds of Seed A?
   (A) 1 : 1 (B) 1 : 2 (C) 2 : 1
   (D) 2 : 3 (E) 4 : 1



DISTRIBUTION OF MATERIALS IN THE HUMAN BODY

GRAPH 3



DISTRIBUTION OF PROTEINS IN THE HUMAN BODY

GRAPH 4

Questions 10 - 17 refer to Graphs 3 and 4

10. In terms of the total body weight, the distribution of materials other than water and proteins is equal to
    (A) $\frac{1}{15}$ (B) $\frac{85}{100}$ (C) $\frac{1}{20}$ (D) $\frac{3}{20}$ (E) $\frac{1}{5}$
11. A person weighing 170 pounds would, according to these graphs, be composed of water weighing
    (A) 17 pounds (B) 70 pounds
    (C) 100 pounds (D) 119 pounds
    (E) 153 pounds

12. How many degrees of the circle should be used to represent the distribution of protein?
(A) 15 (B) 45 (C) 54 (D) 60 (E) 90

13. What per cent of the entire body weight is made up of skin?
(A) 0.15 (B) 1.0 (C) 1.5 (D) 10. (E) 15.0

14. If the weight of the bones of an individual is represented by x pounds, the weight of the skin of this individual is represented by
(A) $\frac{1}{x+5}$ (B) $\frac{1}{x-5}$ (C) $2x$
(D) $\frac{x}{2}$ (E) $\frac{x}{5}$

15. What part of the proteins in the body is made up of muscles and skin?
(A) $\frac{15}{1300}$ (B) $\frac{1}{130}$ (C) $\frac{1}{13}$ (D) $\frac{13}{30}$ (E) $\frac{1}{30}$

16. The ratio of the distribution of proteins in muscle to the distribution of protein in skin is
(A) 3 : 1 (B) 1 : 3 (C) 3 : 10
(D) $3\frac{1}{3} : 1$ (E) 30 : 1

17. The human body, according to the data furnished by the graphs, is composed mainly of
(A) proteins
(B) hormones, enzymes, antibodies and other proteins
(C) muscles
(D) bones
(E) water

1. E	*3.* A	*5.* E	*7.* B	*9.* C	*11.* D	*13.* C	*15.* D	*17.* E
2. C	*4.* A	*6.* A	*8.* E	*10.* D	*12.* C	*14.* D	*16.* D	