Anatomy and Health Algebra

Basic Algebra · Answer Key · 20 Questions

1. The human heart beats 70 times per minute. If 'b' represents the number of beats in 10 minutes, which equation represents the total beats?

A) b = 70 + 10
B) b = 70 * 10
C) b = 70 / 10
D) b = 70 - 10

2. A healthy adult has 2 kidneys. If 'x' is the number of kidneys in 5 people, which equation solves for x?

A) x = 5 + 2
B) x = 5 * 2
C) x = 5 / 2
D) x = 5 - 2

3. An average human adult has 206 bones. If an infant is born with 300 bones, how many more bones (x) does an infant have than an adult?

A) 206 + x = 300
B) 300 + x = 206
C) x - 300 = 206
D) 206 - x = 300

4. The human body is about 60% water. If a person weighs 100kg, how much weight 'w' is water?

A) w = 60 + 100
B) w = 100 / 60
C) w = 0.60 * 100
D) w = 60 - 100

5. A human breathes about 16 times per minute. In 'm' minutes, the total breaths 'b' is calculated by:

A) b = 16 + m
B) b = 16 * m
C) b = 16 / m
D) b = 16 - m

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6. There are 24 ribs in the human body. If 'p' is the number of pairs, what is the equation to find p?

A) p = 24 / 2
B) p = 24 * 2
C) p = 24 + 2
D) p = 24 - 2

7. A tooth has 1 crown. If 'c' is the number of crowns for 32 adult teeth, which equation represents this?

A) c = 32 + 1
B) c = 32 * 1
C) c = 32 / 1
D) c = 32 - 1

8. The average human has 5 litres of blood. If 't' is the total litres in 3 people, which is the correct equation?

A) t = 5 + 3
B) t = 5 * 3
C) t = 5 / 3
D) t = 5 - 3

9. Each hand has 5 fingers. If 'f' is the total fingers on 2 hands, which equation is correct?

A) f = 5 + 2
B) f = 5 * 2
C) f = 5 / 2
D) f = 5 - 2

10. A red blood cell lives about 120 days. If 'd' is the total days it lives in 2 cycles, which equation is correct?

A) d = 120 + 2
B) d = 120 * 2
C) d = 120 / 2
D) d = 120 - 2

11. Humans have 2 eyes. If 'e' is the total number of eyes for 10 people, which equation solves for e?

A) e = 2 * 10
B) e = 10 / 2
C) e = 2 + 10
D) e = 2 - 10

12. The spine has 7 cervical vertebrae. If 'v' is the number of these vertebrae in 3 people, which equation applies?

A) v = 7 + 3
B) v = 7 * 3
C) v = 7 / 3
D) v = 7 - 3

13. A normal human body temperature is 37 degrees Celsius. If 't' is the total degrees for 2 people added together, which is the equation?

A) t = 37 + 37
B) t = 37 * 2
C) t = 37 + 2
D) Both A and B

14. There are 3 bones in each middle ear. If 'b' is the total bones in both ears, which equation is correct?

A) b = 3 * 2
B) b = 3 + 2
C) b = 3 / 2
D) b = 3 - 2

15. A human foot has 26 bones. If 'f' is the total bones in 2 feet, which equation is correct?

A) f = 26 + 2
B) f = 26 * 2
C) f = 26 / 2
D) f = 26 - 2

16. The heart has 4 chambers. If 'c' is the total chambers in 5 hearts, which equation is correct?

A) c = 5 + 4
B) c = 5 * 4
C) c = 5 / 4
D) c = 5 - 4

17. Adults have 32 teeth. If 't' represents the teeth remaining after losing 4, which is the equation?

A) t = 32 - 4
B) t = 32 + 4
C) t = 32 / 4
D) t = 32 * 4

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18. An average blink happens every 4 seconds. If 'b' is the total blinks in 20 seconds, which equation solves for b?

A) b = 20 + 4
B) b = 20 * 4
C) b = 20 / 4
D) b = 20 - 4

19. The stomach has 1 primary organ. If 'o' is the number of organs in 10 humans, which equation represents this?

A) o = 10 * 1
B) o = 10 + 1
C) o = 10 / 1
D) o = 10 - 1

20. A human has 2 lungs. If 'l' is the total lungs for 12 people, which equation solves for l?

A) l = 12 + 2
B) l = 12 * 2
C) l = 12 / 2
D) l = 12 - 2

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