

1. A diploid cell has 50 chromosomes. How many chromosomes does the haploid cell of that organism have?
2. A haploid cell has 50 chromosomes. How many chromosomes does the diploid cell of that organism have?
3. A cell has 46 chromosomes. After mitosis, how many chromosomes will the daughter cells have?
4. A cell has 14 chromosomes. After meiosis, how many chromosomes will the daughter cells have?
5. A cell has 7 chromosomes. After mitosis, how many chromosomes will the daughter cells have?
6. A lung cell had 46 chromosomes. How many chromosomes would the sex cells of that organism have?
7. An organism has 17 chromosomes in its gametes. How many chromosomes would the somatic cells have?
8. An organism has 17 chromosomes in its gametes. How many chromosomes would the eggs of the organism have?

9. A flower has 14 chromosomes in the root cells.
How many chromosomes would the sex cells have?
10. A tree has 26 chromosomes its sex cells. How
many chromosomes would the leaf cells have?
11. A bee has 14 chromosomes in the wing cells. How
many chromosomes would the sperm cells have?
12. A tiger's sperm cells have 26 chromosomes in
them. How many chromosomes would the zygote
have?
13. A whale's egg cells have 41 chromosomes. How
many chromosomes would be in the whale's sperm
cells?
14. A species of plant found in lakes reproduces using
vegetative reproduction. If the plant's cells have
92 chromosomes, how many chromosomes will be
found in the offspring?

15. A hydra reproduces using budding. If the hydra parent has 26 chromosomes, how many chromosomes will be found in the offspring?
16. Apes have 36 chromosomes in each body cell. How many chromosomes will be found in an ape's cell after it undergoes mitosis?
17. The diploid number in a cotton plant is 42. How many chromosomes will be found in the plant's gametes?
18. Horses have 82 chromosomes in each body cell. After a horse's cell undergoes meiosis, how many chromosomes will be in the daughter cells?
19. A turtle zygote contains 50 chromosomes. How many chromosomes came from the mother?
20. A fish has 36 chromosomes in its gametes. How many chromosomes are in the fish's body cells?