

Cell Division Worksheet: Chromosome Numbers

Name _____ Date _____ Class _____

Complete the table below by filling in either the missing diploid number or haploid number:

Diploid Number (2N)	Haploid Number (N)
46	
	25
40	
	80
10	
	10
50	
	50
100	
	100
6	
	6
2	
	5
80	
	40

17. Place a check for each of the following cell types. Tell if it is diploid or haploid and what type of cell division produced it:

Cell	Haploid ?	Diploid?	Made by mitosis or meiosis?
Skin cell			
Nerve cell			
Liver cell			
Sperm cell			
Bladder cell			
Egg cell			
Bone cell			
White blood cell			
Muscle cell			

26. If a human sperm cell has 23 chromosomes, how many chromosomes will be in a human skin cell? _____

27-28. A human egg cell? _____ A human nerve cell? _____

29-30. A human cell made by mitosis will have _____ chromosomes? A human cell made by meiosis will have _____ chromosomes?

30-32. If a dog bladder cell has 100 chromosomes, how many will be in a dog skin cell? _____ A dog egg cell? _____ a dog liver cell? _____