

1. Convert 22 lb to kg

2. Convert 22 kg to lb

3. 50 mcg to mg

4. 5 kg to G

5. 0.4 G to mcg

6 50% solution to mg/ml

7 0.4% solution to mg /ml

8. How many mls of 100mg/ml Cefazolin would you give the patient if the doctor says to give 750 mg?

9. The patient requires a 150 mg dose of doxycycline IV. The concentration is 250mg/5ml. How many ml of doxycycline would you give the patient?

10. A 36.6 pound patient requires 3mcg/kg of Fentanyl. The concentration of Fentanyl is 50 mcg/ml. How many ml of Fentanyl would you give the patient?

11. You have a 5 kg cat, and the vet asks you to draw up a 2mg/kg dose of 2% Lidocaine to give as a testicular block.

12 & 13. A 12kg patient requires 5 mcg/kg of dexdomitor. The concentration of Dexdomitor is 0.5mg/ml. What volume of dexdomitor would you give the patient. #12 solve by converting dose for 13 solve by converting concentration)


14. Convert 2 Tbs to Tsp (also how many ml?)

15. Convert 9 tsp to Tbs (also how many ml?)

16. You have a 15 ml bottle of medication. The patient gets 0.5 ml per dose. How many doses are in the bottle?

17. Panacur is dosed at 1 cc per 10 lb of body weight. How much would you administer to a 22.7kg animal?

18 A dose of a chemotherapy drug is 100 mg / m². How many ml of a 50 mg/ml drug would you give to a patient that weighs 57kg


Body Surface Area
 METRIC SQUARED CONVERSION CHART
DOGS

Body weight in kg	Body surface area in m ²				
2	0.16	15	0.61	38	1.14
3	0.21	16	0.64	39	1.16
4	0.25	17	0.67	40	1.18
5	0.30	18	0.69	41	1.20
5.5	0.31	19	0.72	42	1.22
6	0.33	20	0.74	43	1.24
6.5	0.35	21	0.77	44	1.26
7	0.37	22	0.79	45	1.28
7.5	0.39	23	0.82	46	1.30
8	0.40	24	0.84	47	1.32
8.5	0.42	25	0.86	48	1.33
9	0.44	26	0.89	49	1.35
9.5	0.45	27	0.91	50	1.37
10	0.47	28	0.93	51	1.39
11	0.50	29	0.95	52	1.41
12	0.53	30	0.98	53	1.43
13	0.56	31	1.00	54	1.44
14	0.59	32	1.02	55	1.46
		33	1.04	56	1.48
		34	1.06	57	1.50
		35	1.08	58	1.51
		36	1.10	59	1.53
		37	1.12	60	1.55

#19 Calculate the daily maintenance fluids for a 25 kg dog

#20 Calculate the maintenance fluid rate for a 25 kg dog

#21 Calculate the fluid deficit for a 25 kg dog that is 5% dehydrated.

#22 What fluid rate would you put the patient from #21 on to replace its fluid deficit over 24 hours?

#23 Calculate the fluid deficit for a 25 kg dog that is 5% dehydrated and is vomiting 1000 ml of fluid a day.

#24 Calculate a shock dose of fluids for a 25 kg dog.

#25 Calculate a $\frac{1}{2}$ shock dose of fluids for a 25 kg dog.

#26 Calculate a $\frac{1}{4}$ shock dose of fluids for a 25 kg dog.

#28 Calculate a drip rate for a fluid rate of 240 ml/hr with a 15 drop /ml drip set

29 You want to make a 1000 ml bag of 0.9% NaCl with 2.5% dextrose. You have 50% dextrose in a bottle. How much 50% dextrose would you add to the bag to make it?

#30. A 10 kg patient presents after being hit by a car and has a diaphragmatic hernia. You want to put the patient on a Fentanyl CRI at a dose of 3 mcg/kg/hr. You are going to make a 60 ml syringe of Fentanyl and you are going to make the rate 3 mls/hr. How much Fentanyl are you going to put in the syringe.

#31 You take the patient from problem number 30 to surgery, and the patient is still in pain. You want to increase the dose to 5 mcg/kg/hr. What do you change the fluid rate to?

#32. A 5kg dog needs metoclopramide (5mg/ml) at a dose of 2mg/kg/day. How much metoclopramide must be added to a 500 ml bag of IV fluids at a rate of 20 ml/hr?

#33. A 10 kg patient has low blood pressure in surgery and you want to surgery and you want to start a dopamine CRI at 7 mcg/kg/min. You are going to make a 250 ml bag of fluids and run the fluids at 10 mls an hour. The concentration of Dopamine is 40 mg/ml. How many ml of dopamine are you going to add to the bag.

34. You run a CBC on a patient, and the CBC machine reports a WBC count of 16,500 WBC/mcL. During your WBC differential, you count 76% neutrophils, 19% lymphocytes, 3% monocytes, and 2% eosinophils. Additionally, you see 25 nRBCs. Correct your WBC count for nRBCs and calculate the absolute value for each type of RBC.

Worksheet

35. You have a dog that is anemic with a PCV of 22%, so the vet asks you to perform a reticulocyte count. You count 1000 total red blood cells, and 37 of them are reticulocytes. What is the reticulocyte percentage, and what is the corrected reticulocyte percentage (assuming normal PCV of 45% for dogs)?