

# Puppy Bottle Feeding and Stomach Capacity Chart

Puppy Weight (lbs, oz)	Puppy Weight (grams)	Daily Caloric Requirement*	Amount of Formula Per Day (ml)**	Amount Per Feeding (ml)*	Approximate Number of Feedings Per Day***
2 oz	57 g	11 kcal	13 ml	2 ml	6
4 oz	113 g	23 kcal	25 ml	5 ml	6
6 oz	170 g	34 kcal	38 ml	7 ml	6
8 oz	227 g	45 kcal	50 ml	9 ml	6
10 oz	284 g	57 kcal	63 ml	11 ml	6
12 oz	340 g	68 kcal	76 ml	14 ml	6
14 oz	397 g	79 kcal	88 ml	16 ml	6
16 oz (1 lb)	454 g	91 kcal	101 ml	18 ml	6
2 lb	907 g	181 kcal	202 ml	36 ml	6
3 lb	1,361 g	272 kcal	302 ml	54 ml	6
4 lb	1,814 g	363 kcal	403 ml	73 ml	6
5 lb	2,268 g	454 kcal	504 ml	91 ml	6
6 lb	2,722 g	544 kcal	605 ml	109 ml	6
7 lb	3,175 g	635 kcal	706 ml	127 ml	6
8 lb	3,629 g	726 kcal	806 ml	145 ml	6

\* The daily caloric requirement was calculated using 20 kcal/100 g body weight and the amount per feeding using 4 ml/100 g body weight. The energy requirement is ~20–26 kcal/100g body weight daily and the maximum comfortable stomach capacity is ~4 ml/100 g body weight.<sup>1</sup>

\*\* Concentration 0.9 kcal/ml. Most commercial puppy milk replacers in the US provide less than 1 kcal/ml, acting to increase the volume of milk required to meet caloric needs. This can be problematic in terms of the number and size of feedings given relative to stomach capacity and more likely to result in gastrointestinal disturbances. This may also account for why bottle fed puppies grow slower than puppies that nurse off a mother.

\*\*\* As the puppy is adjusting well to the milk and the feeding volume, you may be able to increase the volume fed to help reduce the number of feedings per day. Be aware that exceeding the stomach capacity (amount per feeding) may put the puppy at risk of aspiration, vomiting, diarrhea, and gas build-up in the stomach and intestines.

Puppies at that are between 3 ½ -5 weeks of age are usually eating some solid food, decreasing the amount of milk replacer required to meet daily caloric requirements. This may result in less frequent milk feedings.

<sup>1</sup> Lawler, D. F. "Neonatal and pediatric care of the puppy and kitten." *Theriogenology*, vol. 70, no.3, 2008, pp. 384-392.



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