

Boots and Her Kittens

January 2012						
SUN	MON	TUE	WED	THU	FRI	SAT
Happy New Year 1	School starts 2	3	4	5	6	7
8	9	10	Dentist 11	Kittens born 12	13	14
15	Boots goes to vet 16	17	Dog to groomer 18	19	20	21
22	23	24	25	26	27	28
29	Kittens get shots 30	31				

¹Sarah's cat Boots gave birth to five kittens. ²Three of the kittens were black with little white paws just like Boots. ³The other two kittens, however, were white and had blue eyes. ⁴Sarah was surprised to see that all the kittens with white paws were male.

Assume all the statements and facts in the puzzle are true. Write whether each sentence is **True**, **False**, or **Unknown**. Then write the sentence number(s) and/or check the box that provides the best evidence for each true or false answer.

_____ 1. In January 2012 Boots gave birth to kittens at 12:07 a.m.

 Sentence

☐
 Picture

☐
 Caption

_____ 2. When the kittens were born, three of them looked like Boots.

 Sentence

☐
 Picture

☐
 Caption

_____ 3. Boots has blue eyes.

 Sentences

☐
 Picture

☐
 Caption

_____ 4. On June 12th the kittens will be six months old.

 Sentence

☐
 Picture

☐
 Caption

_____ 5. None of the kittens are female.

 Sentences

☐
 Picture

☐
 Caption

Answers

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1. U; There is not enough evidence. While Boots gave birth to kittens in January 2012, we do not know what time this occurred.
2. T; 2; Three of the kittens had black fur with white paws "just like Boots." This means that Boots also had black fur with white paws. Thus, the kittens looked like Boots. Note that the statement does not say that the kittens looked exactly like Boots, meaning identical in every aspect.
3. U; There is not enough evidence. We are not told the color of Boots's eyes. Just because two of the kittens have blue eyes does not mean that Boots also has blue eyes.
4. F; picture; The kittens were born on January 12th. June 12th occurs five months later. So the kittens would be five months old on June 12th, not six months old.
5. T; 2, 3, 4; All of the kittens are male. We are told that all the kittens with white paws are male (sentence 4), and since all the kittens have white paws (sentences 2 and 3), all the kittens must be male.