

EXERCISE 1

Tick True or False.

	True	False
1. A dog is a cat. (the fact is incorrect)		✓
2. "All cats have four legs. A rabbit has four legs." Both these sentences are logically correct.	✓	
3. All cats have four legs. A rabbit has four legs. So a rabbit is a cat. (the conclusion is wrong)		✓
4. When a goldfish dies, there will be an increase in weight. (false statement - not true)		✓
5. All boys are brave. (false statement - not true)		✓
6. "Girls are cowards. Anne is a girl. Therefore she is a coward." – The conclusion is wrong because the first sentence is wrong to begin with.	✓	
7. Sometimes your conclusion may accidentally be correct even though your first sentence is wrong.	✓	

EXERCISE 2

Choose the correct conclusion.

- The Wong family consists of a father, mother, two sons and a daughter. All the females went shopping. The boys went out to play. The father was still at work. Who was at home?
 - mother
 - the ladies
 - the sons
 - d) nobody**

2. Musicians are generally talented. Some of them are frustrated. Frustrated people sometimes resort to violence. Based on these statements, which conclusion is correct?
- a) All frustrated people are violent.
 - b) Some musicians may be violent.
 - c) All violent people are musicians.
 - d) Frustrated people are musicians.
3. There are four books A, B, C and D on a table. If A is placed below D, C is placed above D and B is placed below A, then which book touches the surface of the table?
- a) A
 - b) B
 - c) C
 - d) D
4. No man is a horse. Peter is a man. Which conclusion is correct?
- a) Peter is not a horse.
 - b) All men are not Peter.
 - c) All men are Peter.
 - d) Peter is a horse.
5. All students are boys. No boy is dumb. Which conclusion is correct?
- a) There are no girls in class.
 - b) No student is dumb.
 - c) Both a and b are correct.
 - d) Both a and b are wrong.



Learning Activity

Solve the logic puzzle.

Pancake Day

The Bear family made pancakes for Pancake Day. Altogether, they ate 12 pancakes. Father Bear had the most pancakes. He ate 5, but he didn't eat his with honey. Mother Bear had one more pancake than Baby Bear. Baby Bear covered his pancakes with chocolate.

Can you work out who put jam on his or her pancakes? And how many pancakes did Baby Bear eat? Use the grid below to help you.

	Father Bear	Mother Bear	Baby Bear	
honey	X	√	X	
chocolate	X	X	√	
jam	√	X	X	
pancakes	5	(x+1) 3+1 = 4	(x) 3	Total Pancakes = 12

