

Logical Reasoning Exercises 1:

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Are the following arguments? If so, what are the premises and what is the conclusion. Are they deductive or inductive? If deductive, are they valid or invalid.

1. I called the psychic network this morning and they said that it would rain today. The weather person on the news also said it will rain. So, it should rain today.

2. If you like to eat ice cream, then you should love to eat frozen yogurt.

3. When the sunshine is not blocked out by clouds, then the sun shines in through my morning windows. I really hate this because it wakes me up. And if I put a cardboard sheet in the window, then I can basically block out all the sunlight. So, if I want to keep the sun out when it shines through in the morning, then I should put up some cardboard. There will be no clouds tomorrow, and I want to sleep in until noon. So, I guess I had better put some cardboard in the window.

4. Johnson is an expert on ancient Greek archeology. He said that it is likely that there are many sites in Greece which cannot be reached because of modern construction on top of the sites. So, there are many Greek archeological relics that have yet to be discovered.

5. I went to the corner store this morning. I went because I needed to buy some Milk and the store has some of the cheapest milk.

6. If you want to buy some milk, you should go to the corner store.

7. If you want to buy some milk, you should go to the corner store. It is the cheapest milk in town. And, it is close.

8. If you burp, you should say excuse me. Did John just burp?

9. There are lots of good reasons to think that the earth is round. For one thing, we have sent crafts and so forth out into space which have allowed us to look at the earth. In addition, it's not like you see ships falling off the side of the earth.

10. I personally believe that the earth is round because I've never heard of a ship falling off the side of the earth, well, at least not for a long time.

11. Many people believe that president Clinton should be impeached for perjury, obstruction of justice, and misconduct. I, however, believe that they are wrong. I believe that President Clinton should not be impeached.

12. I can't believe that they made such a mess of the house? Why did they do this? Well, you know what they say: when the cat's away the mice play.

13. The kids made a terrible mess of the house while you were away. Is that okay for them to do this? I think it is okay because, as you know, they say that when the cat's away the mice play.

14. If it is raining, then there are clouds. And if there are clouds, then it is cold. So, if it is cold, then it is raining.

15. All dogs go to heaven. Since John went to heaven, he must be a dog.

16. All birds have wings. Some birds have red feathers. Therefore, some things with red feathers have wings.

17. You think that he was ambitious? But he gave up his promotion so that some other guy who needed the money more could have the promotion.

18. Either it will rain today or it will rain tomorrow. If it rains today then the picnic will be ruined. But if it rains tomorrow then the picnic will be ruined. So, one of the two will get ruined.

19. Abortion is, by definition, the killing of an unborn human. It is wrong to kill an adult human because he or she has a valuable future that would be lost by his or her death. An unborn fetus also has a valuable future that will be lost by his or her death. So, abortion must be wrong.

20. If you were sick and the only thing that could heal you were the touch of Henry Fonda's hand on your brow, would this mean that he was morally obligated, because you have a right to life, to come touch you on the brow? Certainly not. Therefore, the right to life cannot entail the right to any means necessary to save one's life.

Construct an argument according to the instructions given.

21. Construct a valid, deductive argument.

22. Construct an invalid, deductive argument.

23. Construct an invalid, unsound, deductive argument.

24. Construct a valid, unsound, deductive argument.

25. Construct a valid, unsound, deductive argument that has a true conclusion.

26. Construct a valid, sound, deductive argument.