Statistical Questions Worksheets

1. Indicate whether each of the following two questions is a statistical question. Explain why or why not.

    a) How much does Susan's dog weigh?

    b) How much do the dogs belonging to students at our school weigh?

2. Explain why each of the following questions is not a statistical question.

    a) How old am I?

    b) What's my favorite color?

    c) How old is the principal at our school?

Statistical Questions Worksheets

1. Indicate whether each of the following two questions is a statistical question. Explain why or why not.

    a) How much does Susan's dog weigh?

> *This is not a statistical question. This question is not answered by collecting data that vary.*

    b) How much do the dogs belonging to students at our school weigh?

> *This is a statistical question. This question would be answered by collecting data on weights of dogs. There is variability in these weights.*

2. Explain why each of the following questions is not a statistical question.

    a) How old am I?

> *This is not a statistical question because I only have one age at the time the question is asked.*

    b) What's my favorite color?

> *This is not a statistical question because it is not answered by data that vary. I only have one favorite color.*

    c) How old is the principal at our school?

> *This is not a statistical question because the principal has just one age at the time I ask the principal's age. Therefore, the question is not answered by data that vary.*