Name: .... Class: ....

Identify representative, random, and biased samples

1. The maths teacher choosed only the students sitting on the front bench to participate in a school maths competition. Is this a random sample of the students in the mathematics competition?

☐ **Yes**   ☐ **No**

2. Without looking, Emilia picked out 2 red apples from a bag of different colours of apples. Is this sample of the apples in the bag likely to be biased?

☐ **Yes**   ☐ **No**

3. Peter is the headmaster of a community elementary school. He carried out a survey on how pupils study at home. He questioned 31 of this pupils at school.
Is this sample of the pupils at the community elementary school likely to be baised?

☐ **Yes**   ☐ **No**

4. Perry bought 2 random pairs of shoes from each store at the mall. Each store had an equal number of pairs of shoes. Is this sample of pairs of shoes likely to be biased?

☐ **Yes**   ☐ **No**

5. Dora put the names of her colleagues at work in a box. Then, she drew 5 names out of the box. Is this a random sample of the colleagues in her work place?

☐ **Yes**   ☐ **No**

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