Who Is Telling the Truth?

Truth-tellers always tell the truth. Fibbers always lie.

1

Ava says: "Ben always tells the truth."

Ben says: "Cy and Ava are different kinds."

Cy says: "Ben is a fibber."

Who is who? Ava: _____ Ben: _____ Cy: _____

2

Ava says: "Cy always tells the truth."

Ben says: "Cy and Ava are the same kind."

Cy says: "Ben is a fibber."

Who is who? Ava: _____ Ben: _____ Cy: _____

3

Ava says: "Cy is a fibber."

Ben says: "Ava is a fibber."

Cy says: "Ben and Ava are different kinds."

Who is who? Ava: _____ Ben: _____ Cy: _____

4

Ava says: "Cy and Ben are the same kind."

Ben says: "Cy always tells the truth."

Cy says: "Ava is a fibber."

Who is who? Ava: _____ Ben: _____ Cy: _____

Try each person as a truth-teller and see whether it leads to a problem.

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Answers

Each puzzle has exactly one solution

1

Ava says: "Ben always tells the truth."

Ben says: "Cy and Ava are different kinds."

Cy says: "Ben is a fibber."

Ava: truth-teller **Ben: truth-teller** **Cy: fibber**

2

Ava says: "Cy always tells the truth."

Ben says: "Cy and Ava are the same kind."

Cy says: "Ben is a fibber."

Ava: fibber **Ben: truth-teller** **Cy: fibber**

3

Ava says: "Cy is a fibber."

Ben says: "Ava is a fibber."

Cy says: "Ben and Ava are different kinds."

Ava: fibber **Ben: truth-teller** **Cy: truth-teller**

4

Ava says: "Cy and Ben are the same kind."

Ben says: "Cy always tells the truth."

Cy says: "Ava is a fibber."

Ava: truth-teller **Ben: fibber** **Cy: fibber**

Check: every truth-teller's statement is true and every fibber's is false.

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