

Warm-up Activity and Clue Cards

What is the mass of a crate with 2 TVs and 1 stereo?

Some television sets and stereo systems are packed in wooden crates. The mass of the crate is 3kg.

Note: The masses of the television and stereo are whole numbers.

A crate with 3 television sets and 2 stereos has a mass of 35kg.

Note: The masses of the television and stereo are whole numbers.

A crate with 4 television sets and 3 stereos has a mass of 47kg.

Note: The masses of the television and stereo are whole numbers.

A television set has a greater mass than a stereo.

Note: The masses of the television and stereo are whole numbers.

Extra Clue Card

The mass of the television set is double that of the stereo.

Note: The masses of the television and stereo are whole numbers.