

Name : _____

Drawing Venn Diagram - With Universal Set

Draw: S3

Draw Venn diagrams based on the data provided and answer the questions that follow.

- 1) A poll was conducted among 100 teenagers of East Pike to find their preferred sports magazines. Fifty-two of them voted for Sports Illustrated (S) and 39 for Runner's World (R). Twenty-one teenagers liked both magazines. Represent the data in a Venn diagram.

a) Find the number of teenagers who like only Sports Illustrated in reading sports magazines.

b) How many teenagers like only Runner's World?

c) What number of teenagers like both magazines?

- 2) A TV channel surveyed 100 people about their favorite talk shows. "The Mayer Show" (M) got 58 likes and "The O'Connell Show" (O) got 42 likes. Ten people like watching both the shows. Represent the data in a Venn diagram.

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ow. "The Mayer Show"
Ten people like watching

a) How many people watch only "The Mayer's Show"? _____

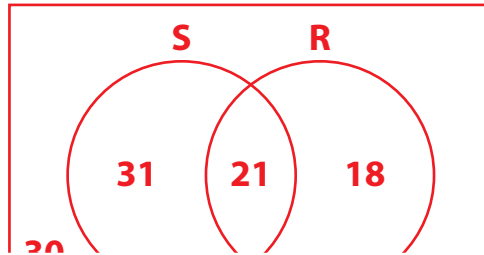
b) Find the number of people who do not watch either of the two talk shows. _____

c) What number of people like watching talk shows? _____

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- a) Find the number of teenagers who like reading sports magazines in reading sports magazines.
- b) How many teenagers like reading Runner's World?
- c) What number of teenagers like both magazines?
- 2) A TV channel surveyed 100 people about their favorite talk shows. "The Mayer Show" got 58 likes and "The Ten Show" got 42 likes. Ten people like watching both the shows. Represent the data in a Venn diagram.

30 teenagers

18 teenagers

70 teenagers

ow. "The Mayer Show"
Ten people like watching

a) How many people watch only "The Mayer's Show"? 48 people

b) Find the number of people who do not watch either of the two talk shows. 5 people

c) What number of people like watching talk shows? 87 people