



GRADE 8 · STATISTICS & PROBABILITY · EXIT TICKET

SCATTER PLOTS

Today's goal: I can construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities and describe patterns such as clustering, outliers, positive or negative association, linear association and non-linear association.



🐾 **MEDIUM**

Digit the Fox: Stretch your brain.

- 1 Eight students' revision hours and test scores are: (1,32) (2,41) (3,48) (4,55) (5,61) (6,70) (7,74) (8,82). Describe the association, giving both its direction and its shape.

Answer



🐉 **SPICY**

Blaze the Dragon: Bring the heat!

- 2 A ninth student revised 9 hours and scored 5. What is this point called, and what should be done about it?

Answer

- 3 A newspaper reports that ice cream sales and drowning deaths rise together, and concludes that ice cream is dangerous. Explain what is wrong, and name a third thing that would explain the pattern.

Answer



🦉 **EXTRA SPICY**

Pi the Owl: Big-brain challenge.

- 4 A plant's height over 8 weeks is (1,4) (2,11) (3,19) (4,25) (5,29) (6,31) (7,32) (8,32). Describe the association.

Answer



I can do this skill: ☐ Not yet ☐ Almost ☐ Got it!