

Analysing scatter plots (TARSOG)



Describe each plot's Trend, Association, Relationship, Scatter, Outliers, and Groupings.

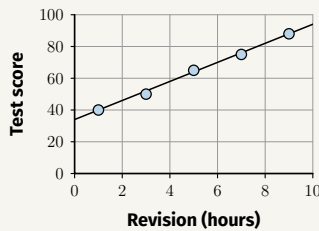
Name _____

Date _____

Reading a scatter plot

TARSOG: **Trend** (linear/non-linear), **Association** (positive/negative), **Relationship** strength (weak/moderate/strong), **Scatter** (constant/non-constant spread), **Outliers** (points that don't fit), **Groupings** (separate clusters).

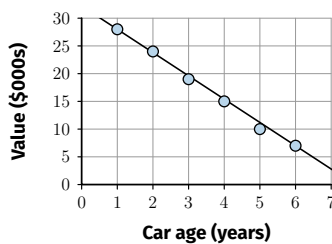
Worked example This scatter plot shows revision hours against test score. Describe the trend, association, and relationship strength.



Trend: linear. Association: positive (score rises as revision hours rise).

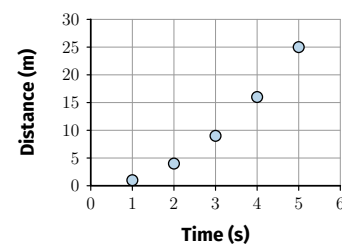
Relationship: strong – the points sit close to the line.

1. Describe the trend, association, and relationship strength shown here.



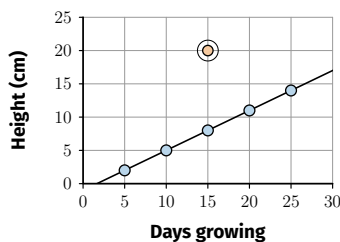
Working

2. Is the trend linear or non-linear? Describe the pattern.



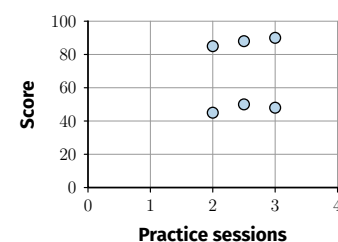
Working

3. Describe the overall pattern. Which point is the outlier?



Working

4. This plot shows two groupings. What might explain them?



Working

Analysing scatter plots (TARSOG) (continued)

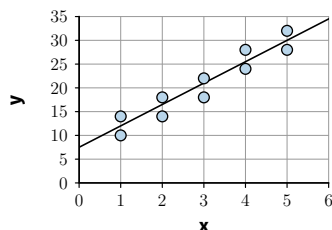
Describe each plot's Trend, Association, Relationship, Scatter, Outliers, and Groupings.



Name _____

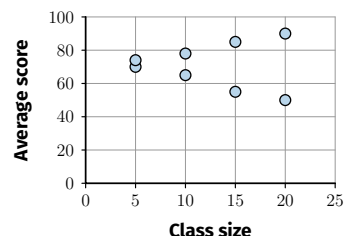
Date _____

5. Is the scatter constant or non-constant? Explain your answer.



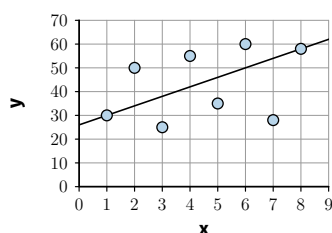
Working

6. Is the scatter constant or non-constant? Explain your answer.



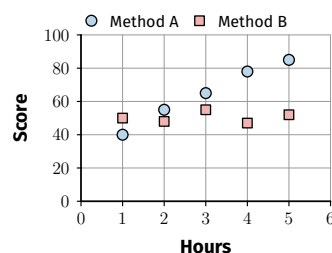
Working

7. Describe the relationship strength shown here, and explain your reasoning.



Working

8. Compare the relationship shown by Method A and Method B.



Working
