Year 7 Science: Speed: measuring it, calculating it and graphing it

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. A tūī flies 120 m in 8 s. What is its speed?

2. Convert 5 m/s into km/h.

3. A ferry travels at 30 km/h for 2 hours. How far does it go?

4. On a distance-time graph, line A is steeper than line B. Which object is faster?

5. Three timings of a falling ball are 0.6 s, 0.9 s and 0.6 s. Why should the class be careful about trusting these?

Fix the mistake

6. Correct this statement: "Speed = time ÷ distance, so 100 m in 20 s is 0.2 m/s."

7. Correct this statement: "A flat line on a distance-time graph means moving at a steady speed."

8. Correct this statement: "Dividing 3 km by 20 minutes gives a speed of 0.15 km/h."

9. Correct this statement: "If I measure once very carefully, I do not need repeats."