

# Caught on Camera

ACTIVITY

The speed limit in Nohoons Town is 50 kilometres per hour.

The Nohoons Town Council has adopted a new system for slowing down drivers who speed. For every kilometre per hour over the speed limit, they must travel that much below 50 kilometres per hour for a month. For example, if a driver is caught travelling at 75 kilometres per hour in Nohoons Town, he or she has to travel at no more than 25 kilometres per hour for a month.

1. Four drivers each received a speeding ticket:

a.	b.	c.	d.
<p><b>Traffic Offence</b></p> <p><b>Speed:</b> 65 km/h</p> <p><b>Time:</b> 3.05 p.m.</p> <p><b>Date:</b> 17/7/01</p> <p><b>Reg. No.:</b> PC293</p> <p><b>Owner:</b> B. Swift</p>	<p><b>Traffic Offence</b></p> <p><b>Speed:</b> 72 km/h</p> <p><b>Time:</b> 10.50 a.m.</p> <p><b>Date:</b> 17/7/01</p> <p><b>Reg. No.:</b> NZ762</p> <p><b>Owner:</b> Ms Creant</p>	<p><b>Traffic Offence</b></p> <p><b>Speed:</b> 86 km/h</p> <p><b>Time:</b> 9.30 p.m.</p> <p><b>Date:</b> 17/7/01</p> <p><b>Reg. No.:</b> AQ921</p> <p><b>Owner:</b> I. Regret</p>	<p><b>Traffic Offence</b></p> <p><b>Speed:</b> 59 km/h</p> <p><b>Time:</b> 4.25 p.m.</p> <p><b>Date:</b> 17/7/01</p> <p><b>Reg. No.:</b> YC320</p> <p><b>Owner:</b> N.O. Rush</p>

What is the speed limit for each person for the next month?

- Mr Short received two tickets on the same day. One was for travelling at 58 kilometres per hour, and the other was for travelling at 64 kilometres per hour. What speed should Mr Short be made to drive at for a month? Explain your answer.
- What would be the penalty speed limit for a driver caught speeding at 104 kilometres per hour?
- The speed limit on the open road outside Nohoons Town is 80 kilometres per hour. Below are penalties for four drivers caught speeding on the open road:

<p>a. Your new limit</p> <p><b>57</b> km/h</p> <p>Owner: H.V. Foote</p>	<p>b. Your new limit</p> <p><b>64</b> km/h</p> <p>Owner: N.O. Brake</p>
<p>c. Your new limit</p> <p><b>71</b> km/h</p> <p>Owner: U.N. Wise</p>	<p>d. Your new limit</p> <p><b>48</b> km/h</p> <p>Owner: I. Speed</p>