

- 1 Define **braking distance**.
- 2 Define **thinking distance**.
- 3 Define **stopping distance**.
- 4 A car's **stopping distance is 23m**, it's **braking distance is 14m**. Calculate the **thinking distance**.
- 5 A car's **stopping distance is 38m**, the **thinking distance is 15m**. Calculate the **braking distance**.
- 6 The **thinking distance is 21m**, the **braking distance is 75m**. Calculate the **stopping distance**.
- 7 How does increasing a car's speed affect it's braking distance?
- 8 How does decreasing a car's speed affect it's braking distance?
- 9 How does increasing a car's speed affect thinking distance?
- 10 How does decreasing a car's speed affect thinking distance?
- 11 Other than speed, state three factors that affect braking distance
- 12 State whether the following conditions will **increase** or **decrease braking distance**
 - a) Increasing the speed of car will: _____ braking distance
 - b) Decreasing the speed of car will: _____ braking distance
 - c) Worn or faulty brake pads will: _____ braking distance
 - d) Brand new brake pads will: _____ braking distance
 - e) Wet or icy roads will: _____ braking distance
 - f) Dry roads will: _____ braking distance