SPEED =
$$\frac{Distance}{Time}$$

THE 5 STEPS - WHAT YOU WILL

ALWAYS USE WHEN

SOLVING PROBLEMS.

- la) LIST WHAT YOU KNOW
- 16) LIST WHAT YOU ARE TRYING TO FIND.
- 2) WRITE DOWN THE EQUATION YOU ARE GOING TO USE.
- 3) PUT THE VALUES YOU KNOW INTO YOUR EQUATION.
- 4) SOLUE FOR YOUR UNKNOWN.
- 5) CHECK YOUR WORK

 RESOLVE BY USING WHAT YOU

 FOUND IN #4 & ONE OF THE

 GIVEN VALUES TO FIND THE OTHER

 GIVEN.

EXAMPLE: WHAT WAS USAIN BOLT'S SPEED DURING THE 100-M SPRINT? HIS TIME WAS 9.69 SECONDS.

$$(b) \quad v = ?$$

$$(2) v = 4$$

$$\sqrt{2}$$
 $\sqrt{5} = \sqrt{4}$
 $\sqrt{3}$ $\sqrt{5} = \frac{100 \text{ m}}{9.69 \text{ sec}}$

$$V = \frac{100}{9.69} = 10.32 \%$$

(5)
$$v = \frac{d}{t}$$

$$10.32 \% = \frac{d}{9.69} \sec c$$

$$(9.69) \cdot 10.32 = \frac{d}{01.69} (9.69)$$
 $100.0008m = d$