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

- THE 5 STEPS WHAT YOU WILL
  ALWAYS USE TO SOLVE PROBLEMS.
  - 12) LIST WHAT YOU KNOW
  - 16) LIST WHAT YOU ARE TRYING TO FIND
  - 2) WRITE OUT THE EQUATION YOU ARE GOING TO USE.
  - 3) PUT THE VALUES YOU KNOW INTO YOUR EQUATION (BUT DON'T SOLVE)
  - 4) SOLVE FOR YOUR UNKNOWN
  - 5) CHECK YOUR WORK.
    - RESOLUE BY USING WHAT
      YOU JUST FOUND TO SEE IF YOU
      CAN SOLVE FOR & GET ONE OF
      THE ORIGINAL GIVEN VALUES.

EXAMPLE: WHAT WAS USAIN BOLTS SPEED DURING THE 100 m SPRINT? HIS TIME WAS 9.69 SECONDS.

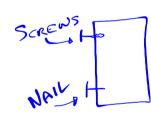
- 1 = 100m t = 9.69 SECONDS
- (b) v = ?

 $9.69 \times 10.32 = \frac{d}{9.69} (9.69)$ 

DERBY CONSTRUCTION
TIPS

- ASK TO SEE WHAT MATERIAL CAN BE USED.
- HOLE SAWS MAKE GOOD WHEELS
- -TAKE TIME TO LINE -UP YOUR AXLES

- AXLE OPTIONS



Metal Pool Powers

DRILL HOLE FOR AXLE WITH THE DRILL PRESS

