

ASSIGN#3 (PG 29)

PROBLEM 2 → THE FASTEST HUMAN HAS EVER RUN IS 27 MILES PER HOUR. HOW MANY MILES PER MINUTE DID THE HUMAN RUN?

- ① ASK WHAT UNITS ARE YOU STARTING WITH AND ENDING WITH? - WRITE THEM

$$\frac{27 \text{ mi}}{1 \text{ hr}} = \frac{x \text{ mi}}{1 \text{ min.}}$$

KEEP: MILES
CHANGE HOURS TO MIN

- ② FIND EQUIVALENT RATE THAT USES HRS & MIN
COULD BE

$$\frac{1 \text{ hr}}{60 \text{ MIN}} \text{ OR } \frac{60 \text{ MIN}}{1 \text{ hr}}$$

USE THE ONE THAT WILL CROSS CANCEL OR DIVIDE OUT THE HOUR - THEY SHOULD BE DIAGONAL.

$$\frac{27 \text{ mi}}{1 \text{ hr}} \cdot \frac{1 \text{ hr}}{60 \text{ MIN}} = \frac{27 \text{ miles}}{60 \text{ minutes}} \quad \textcircled{3} \text{ MULTIPLY ACROSS}$$

$$\frac{27}{60} \cdot \frac{60}{60} = \frac{0.45 \text{ miles}}{1 \text{ minute}}$$

- ④ MAKE INTO A UNIT RATE

USE CONVERSION TABLES ON PG 26 AND ON INSIDE BACK COVER OF TEXTBOOK.