

SPEED PROBLEMS:Speed = distance \div time

$$S = \frac{d}{t}$$

Someone walks 12 blocks in 17 seconds. What is his speed?

(units: $\frac{\text{blocks}}{\text{second}}$)

1a

$d = 12$ blocks, $t = 17$ seconds

1b

S

2

$$S = \frac{d}{t}$$

3

$$S = \frac{12}{17}$$

4

$$S = 0.71 \frac{\text{blocks}}{\text{second}}$$

5

$$S = \frac{d}{t}$$

$$17 \cdot 0.71 = \frac{d}{17} \cdot 17$$

$$12.07 = d \checkmark$$