Average = Sum ÷ # of addends

The avg. of 3 #'s is 17, what is their sum?

$$17 = S \div 3$$

$$S = 17 \cdot 3$$

$$S = 51$$

Avg = Sum ÷ # addends

$$A = S \div n \qquad n = S \div A$$

$$S = A \cdot n$$

The average of 4 #'s is 25. If 3 of the #'s are 16, 26 and 30, what is the 4th #?

$A = S \div n$

$25 = S \div 4$

$S = 25 \cdot 4$

$= 100$

$16 + 26 + 30 + x = 100$

$72 + x = 100$

$100 - 72 = x$

$28 = x$

After 4 tests, ~~the~~ her avg. was an 88%. What does she need to get on the next test to raise her avg. to 90%?

$A = S \div n$

$88 = S \div 4$

$S = 88 \times 4$

$S = 352$

$90 = S \div 5$

$S = 90 \times 5$

$S = 450$

$450 - 352 = 98$

After 4 days, Alema's average TV watching time was 45 min. per day. If he watches for an hour on the 5th day, what will his average TV watching time be?

$45 = S \div 4$

$S = 45 \cdot 4$

$S = 180 \text{ min}$

$A = 240 \div 5$

$A = 48 \text{ min}$

Angela is buying juice for the class party. Brand A is $3.20 for 64-oz and Brand B is $1.99 for a 17-oz bottle. Which brand is the better deal?

$\frac{\$}{oz}$

$\frac{\$3.20}{64}$

0.05

$64 \overline{)3.20}$

256

64

$5¢$ / oz

$\frac{\$1.99}{17}$

$\$0.11$

$17 \overline{)\$1.99}$

17

29

17

12

L5.5
PRACTICE
SET ALL

#19-28