

S.M.ART School MAB2 Group due 05-23-2022

Repeat commutative, associative, and distributive properties

Commutative: $a + b = b + a$; $a * b = b * a$;

Associative: $(a * b) * c = a * (b * c)$ and $(a + b) + c = a + (b + c)$

Distributive: $a * (b + c) = a * b + a * c$

Using all three properties find the simplest way to compute:

C1 $48 * 25 + 48 * 75 = (48 * (25 + 75) = 48 * 100 = 4,800)$

C2 $97 * 28 + 97 * 72 =$

C3 $16 * 200 + 84 * 200 =$

C4 $44 * 30 + 44 * 70 =$

C5 $44 * 67 + 44*33 =$

C6 $84*200 - 16*200 =$

C7 $2 * 765 * 5 =$

W1 During his vacation Walter earned \$3.40 a week delivering papers and \$1.35 more running errands. How much did he make in 9 weeks at this rate?

W2 Frank earned \$38.25 during 9 weeks of his vacation. How much did that average per week?

W3 Sarah and Mark together have 125 coins; and Sarah has 4 times more coins than Mark. How many coins does Sarah have?





Find all possible values of x , so that the following statements are true

E1 $78 / x = 6$

E2 $78 / (2 * x + 1) = 6$

E3 $72 / x = 18$

E4 $72 / (2 * x + 1) = 24$

E5 $150 / x = 25$

E6 $175 / (2 * x + 1) = 25$

E7 $200 / (x + 1) = 25$

E8 $225 / (x + 1) = 25$

B1 How much is $2/7$ of 49? (Twice as much as $1/27$ of 49)

B2 How much is $3/7$ of 49?

B3 How much is $\frac{4}{7}$ of 49 plus $\frac{7}{12}$ of 60?

B4 How much is $\frac{3}{11}$ of 121 minus $\frac{3}{5}$ of 125?