

# S.M.ART School

MBB1 Group home work for MS16 due on 01-29-2020

Requested to repeat the problems again

Solve equations

$$E1 \quad 7*(x + 2) = 3*x - 11$$

$$E2 \quad 7*(x + 2) = 3*(x - 11)$$

$$E3 \quad 3*(x + 2) = 7*(x - 11)$$

$$E4 \quad 3*(x + 2) = -7*(x - 11)$$

$$E5 \quad 21*x - 5/8 = 15*x - 5/12$$

$$E6 \quad 21*x - 5/8 = 15*x + 5/12$$

E7  $21*x - 5/8 = -15*x + 13/20$

A1 How much snow will fall in 12 hours if it falls at a rate of 1 foot per 20 minutes?

C1 One third of all students in a school have lunch in school. There are 789 students altogether. How many students do not have lunch in school?



C2 Two-fifths of students in a school stay to have lunch in school. There are 545 students altogether. How many students do not have lunch in school?

P1 Find five numbers  $x$ , so that  $\frac{1}{4} < x < \frac{1}{2}$ . How many numbers like that you think are there?

P2 A store sold  $\frac{1}{3}$  of a shipment of raisins one day and  $\frac{1}{2}$  the next day. What fraction of the shipment did the store sell over the two days?

P3

Neil read  $\frac{5}{9}$  of a book one day and  $\frac{1}{6}$  less than this the next day. What fraction of the book did Neil read the second day? Did he finish the book in two days?

P4

A group of hikers walked  $3\frac{7}{10}$  km one hour and the same distance plus  $1\frac{1}{5}$  km the next hour. How far did the hikers go in two hours?

A2 A jar is filled up to  $\frac{7}{8}$  of its capacity. Then Jesse adds 30 more gallons to the jar. The jar now is filled up. What is the capacity of the jar?

A3 On a map of a certain country 6 inches represent 200 miles. How many miles does one 2 feet represent?

W1 The sum of two numbers is 396. One of the numbers is 8 times greater than the other. Find both numbers.

W2 A sport club has a ratio of girls to boys of 8 to 15. If the club has a total of 506 members, what is the difference between the number of girls and the number of boys?

**Instead of "&" put either "+" or "-" or "\*" or "/". You cannot, however, add parenthesis, to change the order of operations.**

B1  $17 \& 17 \& 17 \& 15 = 34$

B2  $14 \& 14 \& 14 \& 14 = 27$