

S.M.ART School MAB4 Group due 06-12-2023 R

N

D1 Find the lowest common multiple of numbers. Use the approach we developed yesterday:

break down each number into a product of prime numbers, it helps you to find common multiple.

a) $8, 11$

b) $8, 10$

c) $9, 12$

d) $14, 21$

e) $20, 30$

Combine fractions

P1 $\frac{3}{13} + \frac{5}{26}$

P2 $\frac{3}{26} + \frac{5}{39}$

P3 $\frac{3}{34} + \frac{5}{51}$

P4 $\frac{3}{20} + 0.25$

Just to remind you:

**At some time in the past, we introduced a new operation
“Distance between two points”**

$d(x, y)$, where points are represented by numbers on a real number line.

For example, $d(3, 8) = 5$, because if you put both points on real number line, the length of a segment connecting both points is 5.

$d(-3, 8) = 11$, because if you put both points on real number line, the length of a segment connecting both points is 11 (you have to get to 0 from -3, and then walk another 8 units to get to 8).

D1 $d(-231, 343) =$

D2 $d(-231, -343) =$

We also introduced concept of Arithmetic Average (or just Average) at the last class.

If there are N numbers, then Arithmetic Average of these number is a total sum of the numbers divided by N .

A1 What is the average of the following numbers: 0, 1, 2, 3, 4, 5

A2 End points of a segment on Real Number Line are $\frac{1}{2}$ and $\frac{3}{4}$. Find the point in between which is on the same distance from the ends of the segment.

A3 End points of a segment on Real Number Line are $-\frac{1}{2}$ and $\frac{3}{4}$. Find the point in between which is on the same distance from the ends of the segment.

W1 How much time (in seconds) is saved for 8 miles if we go with the speed 60 mph instead of 40 mph?



Solve equations. Results express in form of mixed numbers.

E1 $26 * (x - 3) = 39$

$$\text{E2} \quad 33 * (2 * x - 3) = 44$$

$$\text{E3} \quad 38 * (2 * x - 3) = 57$$