

S.M.ART School Group MAB1 Homework due 06-04-2022

Solve Equations

E1 $12 / x = 2$

E2 $2 / x = 12$
(You multiply both sides of the equation by x , and you then get equation $2 = 12 * x$. Then you divide both sides by 12 and get $x = 1/6$)

E3 $2 / (x + 2) = 12$

E4 $372 / x = 12$

E5 $372 / (x + 2) = 12$

E6 $25 * x - 1/5 = 15 * x + 9/5$

$$E7 \quad 28*x - 3 = 32*x + 7$$

$$E8 \quad 2.8*x - 0.3 = 3.2*x + 7/10$$

$$E9 \quad -2.8*x + 0.3 = 3.2*x + 0.7$$

W1 Rectangle's length increased by 17, and its width decreased by 7.
Describe how did the perimeter change?

W2 Emir went to the park. If the area of the park is 1,600 square yards,
and the park is in the shape of a square, what is the length and width
of the park?

W3 Emir went to the park. If the area of the park is 1600 square yards, the park is in the shape of a rectangle, and one side is 100 yards, then what is the length the adjacent side?

W4 During summer holidays Bob Widecheer earned extra money moving lawns. He moves 12 lawns an hour and has 42 lawns to move. How many minutes will it take him?

W5 Paul drove 12 miles for 4 hours. His dog covered the 15 miles distance for 3 hours. Who can cover more in one hour and by how much?

W6 A rope was cut in two pieces so that one piece was 18 inches longer than the other. That piece was also three times longer than the other. How long was each piece of the rope?

G1* How many two-digit numbers have both digits odd?

G2* How many two-digits numbers have both digits even?