09.11.2020

Примена једначина

(145.) $\frac{x}{2} + \frac{x}{3} = x - 5 \quad / \cdot 6$ x-

$3x + 2x = 6x - 30$

$3x + 2x - 6x = -30$

$-x = -30$

$\boxed{x = 30}$

(147.) x- бр. Маркових год сада

$x + 12 = 3 \cdot (x - 6)$

$x + 12 = 3x - 18$

$x - 3x = -18 - 12$

$-2x = -30$

$\boxed{x = 15}$

(148.) x- број страница у књизи

$\frac{2}{5} \cdot x + 23 = \frac{x}{2} \quad / \cdot 10$ 5, 2 | 2 / 1 | 5

$2 \cdot \frac{2}{5}x + 10 \cdot 23 = 5 \cdot \frac{x}{2}$

$4x + 230 = 5x$

$4x - 5x = -230$

$-x = -230$

$\boxed{x = 230}$

(151.) $x-$

$28 + x = 4(4+x)$

$28+x = 16+4x$

$x-4x = 16-28$

$-3x = -12$

$\boxed{x = 4}$

(146.) $\frac{x}{2} + \frac{x}{3} + \frac{x}{7} = x-1 \;/\cdot 42$

$21 \cdot \frac{x}{2} + 14 \cdot \frac{x}{3} + 6 \cdot \frac{x}{7} = 42 \cdot x - 42 \cdot 1$

$21x + 14x + 6x = 42x - 42$

$21x + 14x + 6x - 42x = -42$

$-x = -42$

$\boxed{x = 42}$

(152.) $30 + x = 2(10+x)$

$30+x = 20+2x$

$x-2x = 20-30$

$-x = -10$

$x = 10$

Домашн 153 и 166