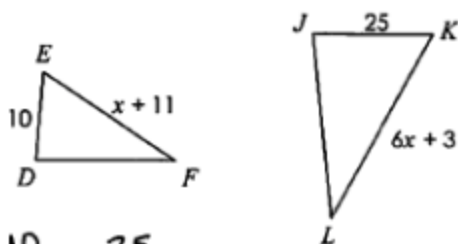


If  $\triangle DEF \sim \triangle JKL$ , find  $KL$ .



$$\frac{10}{x+11} = \frac{25}{6x+3}$$

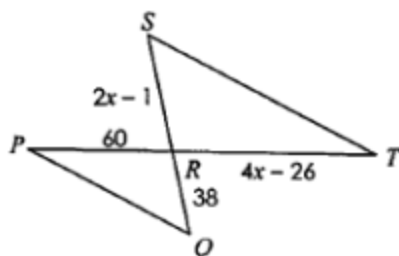
$$60x + 30 = 25x + 275$$

$$35x = 245$$

$$x = 7$$

$$\boxed{KL = 45}$$

If  $\triangle PQR \sim \triangle TSR$ , find  $SR$ .



$$\frac{30}{19-38} = \frac{4x-26}{2x-1}$$

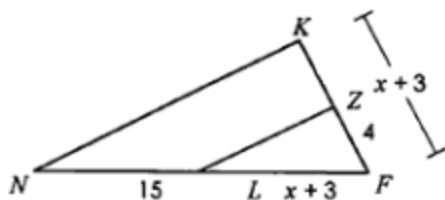
$$60x - 30 = 76x - 494$$

$$464 = 16x$$

$$x = 29$$

$$\boxed{SR = 57}$$

If  $\triangle NKF \sim \triangle LZF$ , find  $NF$ .



$$\frac{x+3}{x+18} = \frac{4}{x+3}$$

$$x^2 + 6x + 9 = 4x + 72$$

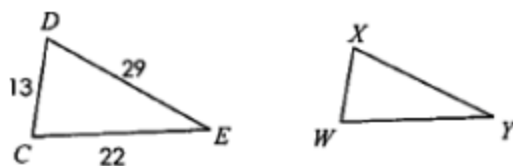
$$x^2 + 2x - 63 = 0$$

$$(x+9)(x-7) = 0$$

$$x = -9 \quad | \quad x = 7$$

$$\boxed{NF = 25}$$

If  $\triangle CDE \sim \triangle WXY$  with a scale factor of 4:3, find the perimeter of  $\triangle WXY$ .



$$P = 64$$

$$\frac{4}{3} = \frac{64}{x}$$

$$4x = 192$$

$$\boxed{x = 48}$$