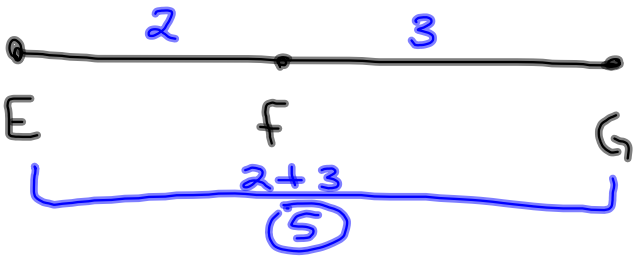
Segment Addition Postulate

$EF = 2$

$FG = 3$

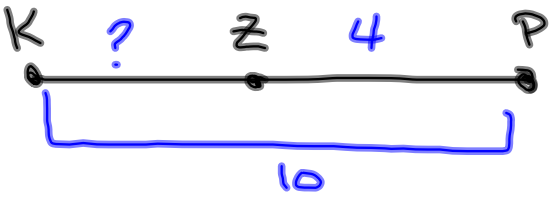
$EG = ? = 5$

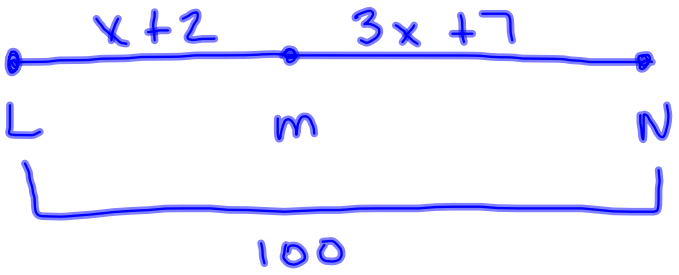


$ZP = 4$

$KP = 10$

$KZ = ? = 6$





$Lm = x+2$

$mN = 3x+7$

$LN = 100$

$\boxed{\text{Find } x}$

$$x+2+3x+7 = 100$$

$$4x+9 = 100$$

$$-9 \quad -9$$

$$\frac{4x}{4} = \frac{91}{4}$$

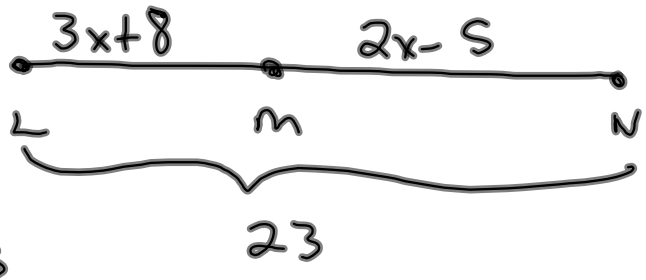
$$x = 22.5$$

$LM = 3x + 8$

$MN = 2x - 5$

$LN = 23$

M is between L + N.



$3x + 8 + 2x - 5 = 23$

$5x + 3 = 23$

$\quad -3 \quad -3$

$5x = 20$

$\boxed{x = 4}$

Pg. 21-22

#24-30 even

32, 46, 47, 48, 50