

Example: Solve $2(3x + 1) = 26$

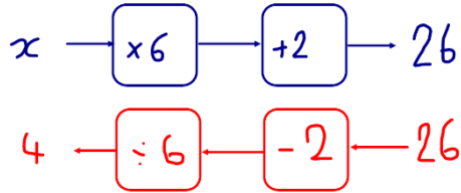
Step 1: Expand bracket using grid

	$3x$	$+1$
2	$6x$	$+2$

$$2(3x + 1) = 26$$
$$6x + 2 = 26$$

Step 2: Solve using function machines

$$6x + 2 = 26$$



$$x = 4$$

a) Solve $5(2x + 3) = 35$

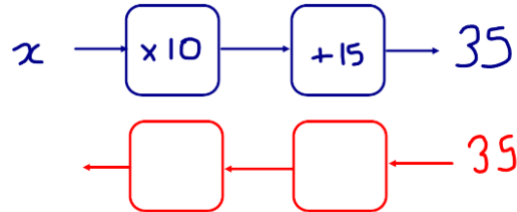
Step 1: Expand bracket using grid

	$2x$	$+3$
5	$10x$	$+15$

$$5(2x + 3) = 35$$
$$10x + 15 = 35$$

Step 2: Solve using function machines

$$10x + 15 = 35$$



$$x =$$

b) Solve $3(2x - 1) = 15$

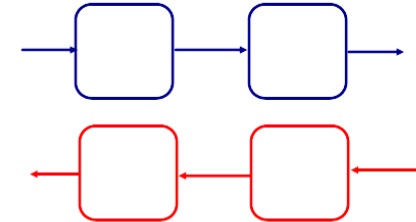
Step 1: Expand bracket using grid

	$2x$	-1
3	$6x$	-3

$$3(2x - 1) = 15$$
$$6x - 3 = 15$$

Step 2: Solve using function machines

$$6x - 3 = 15$$



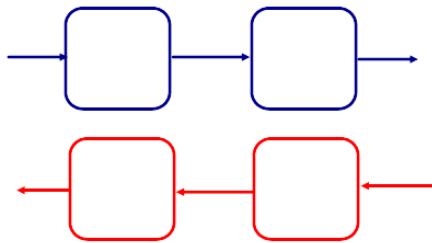
$$x =$$

c) Solve $2(4x - 7) = 42$

Step 1: Expand bracket using grid

	$4x$	-7
2		

Step 2: Solve using function machines

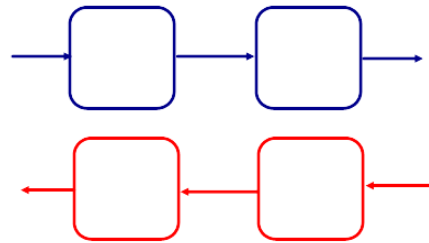


$x =$

d) Solve $4(3x - 8) = 28$

Step 1: Expand bracket using grid

Step 2: Solve using function machines



$x =$

e) Solve $2(6x + 7) = 50$