

3 tens + 6 units

8 tens + 2 units

9 tens + 4 units

2 tens + 7 units

5 tens + 8 units

0 tens + 1 unit

tens + units

ten + units

tens + units

tens + units

36

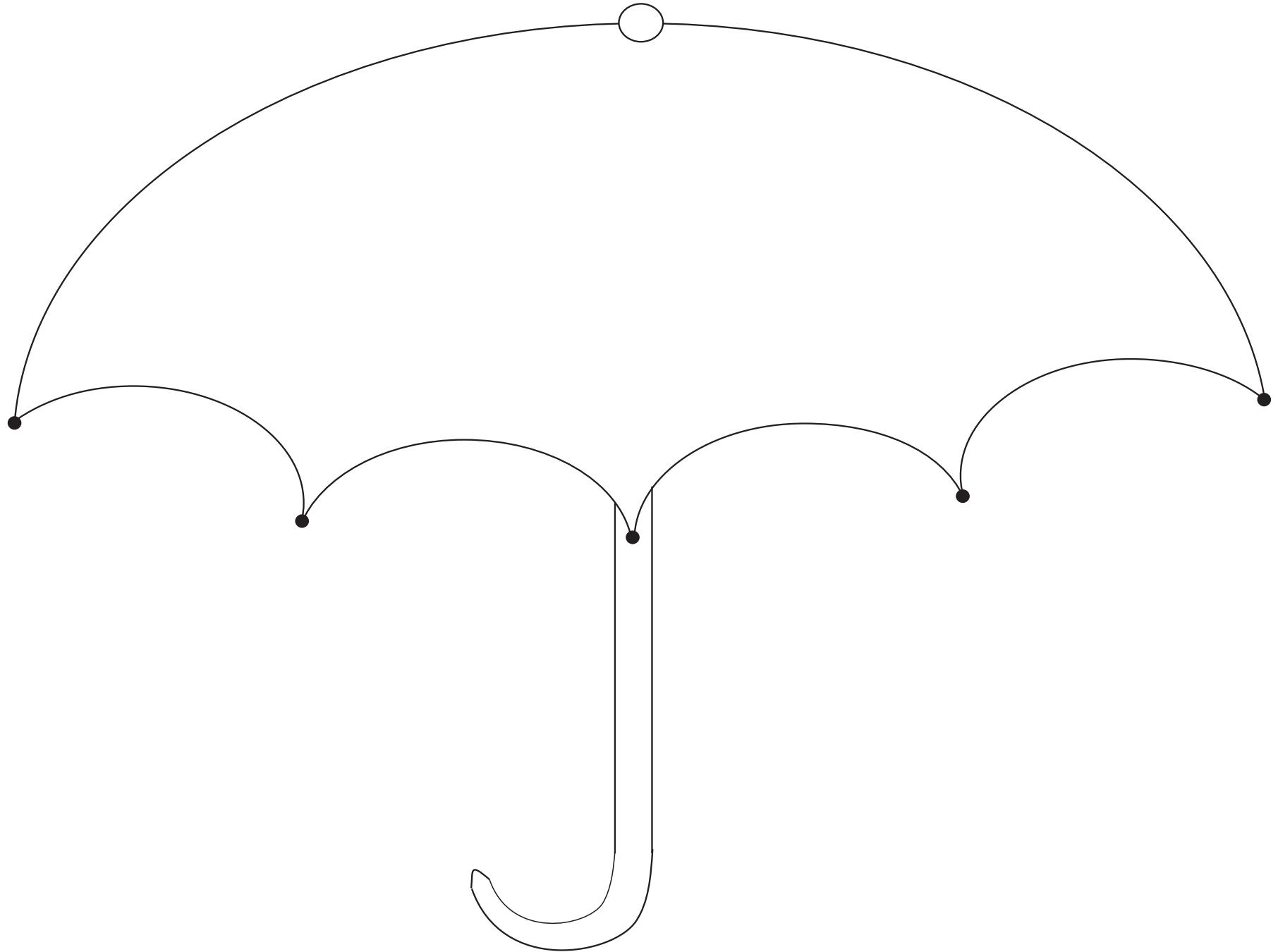
82

94

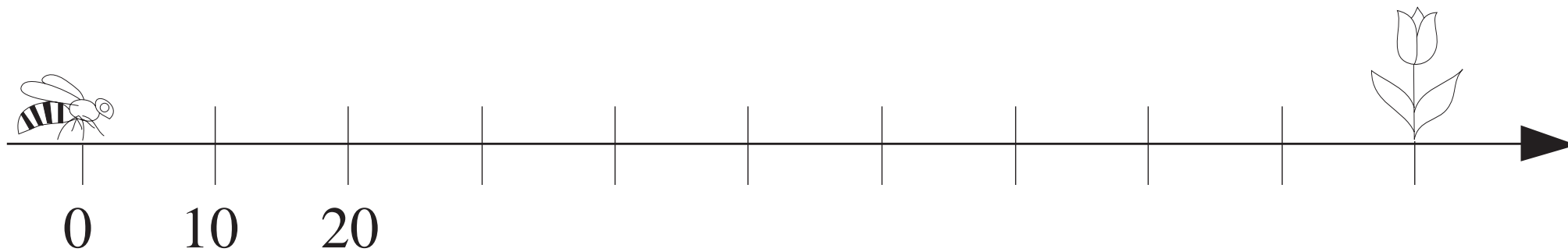
27

58

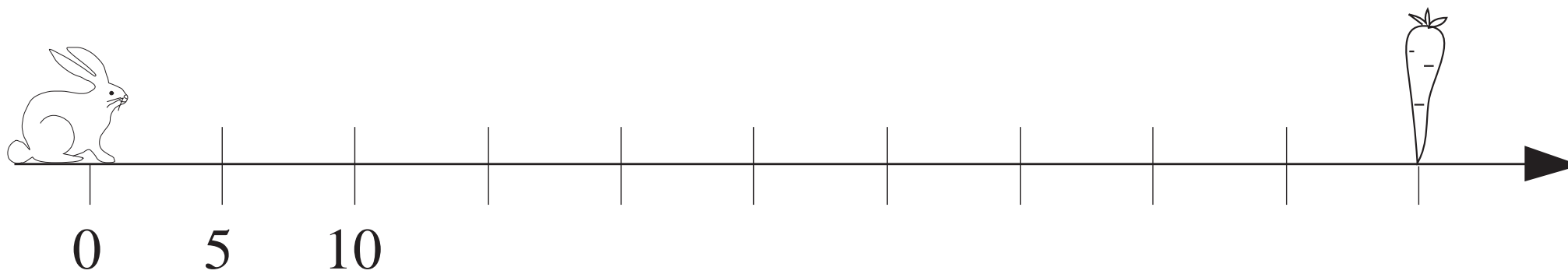
1



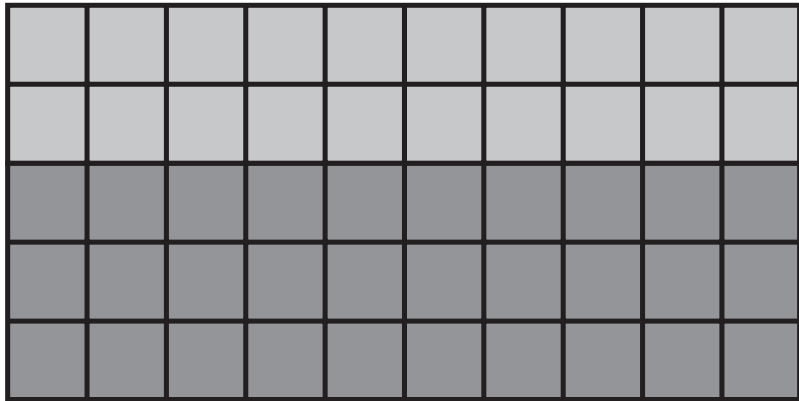
a)



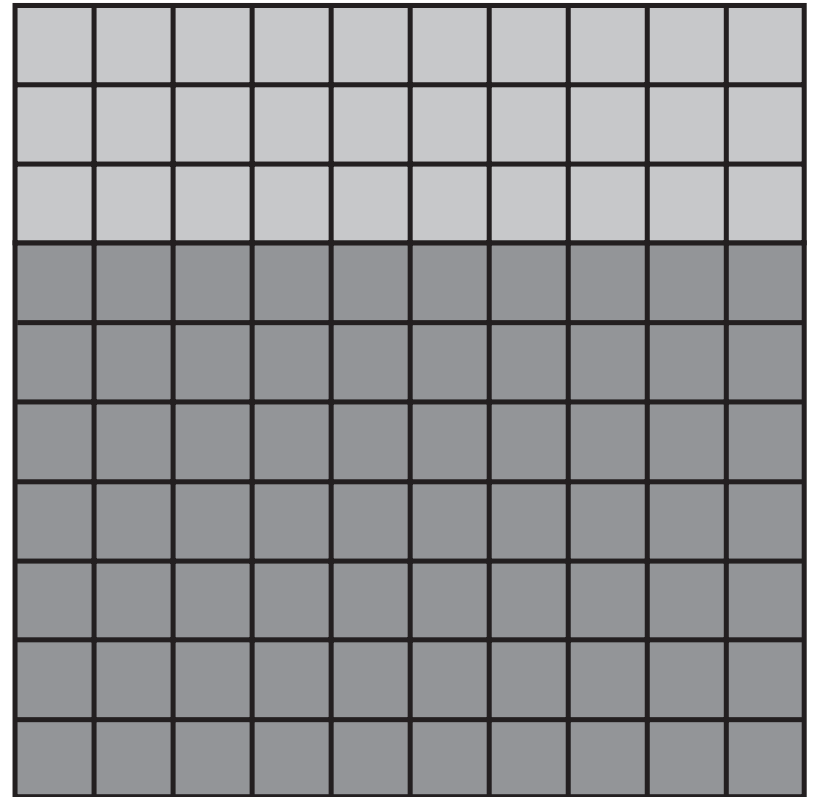
b)



a)



b)

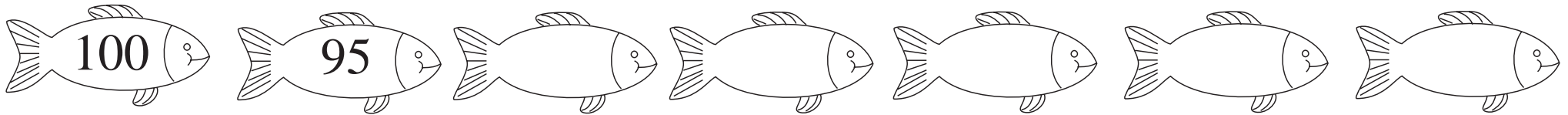
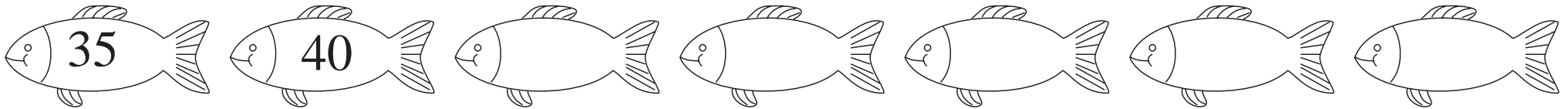


Number
of jumps

Number
reached

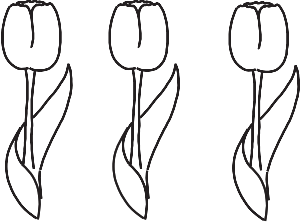
		1	2		4		6			9	
	0			30		50		70	80		100

LP 31/6



LP 32/6

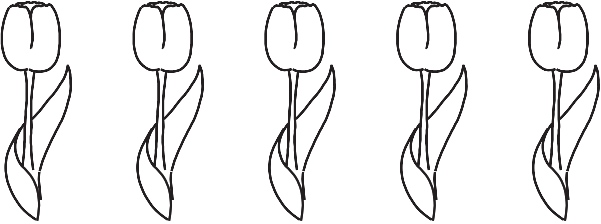
a)



$$\boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} = \boxed{} \boxed{} \text{ p}$$

$$3 \text{ times } \boxed{} \boxed{} \text{ p} = \boxed{} \boxed{} \text{ p}$$

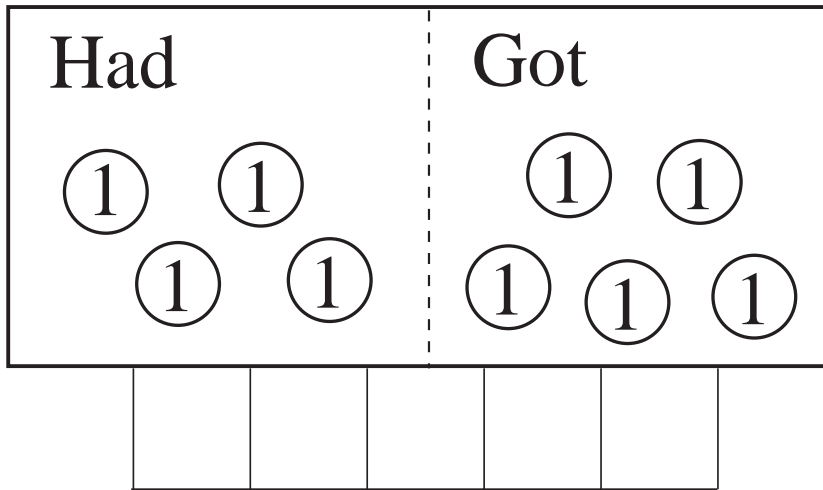
b)



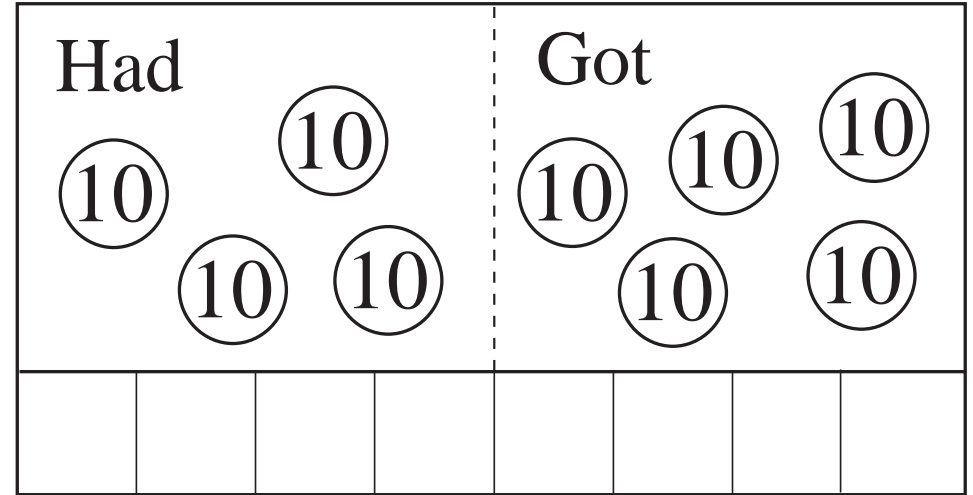
$$\boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} + \boxed{} \boxed{} \text{ p} = \boxed{} \boxed{} \text{ p}$$

$$\boxed{} \text{ times } \boxed{} \boxed{} \text{ p} = \boxed{} \boxed{} \text{ p}$$

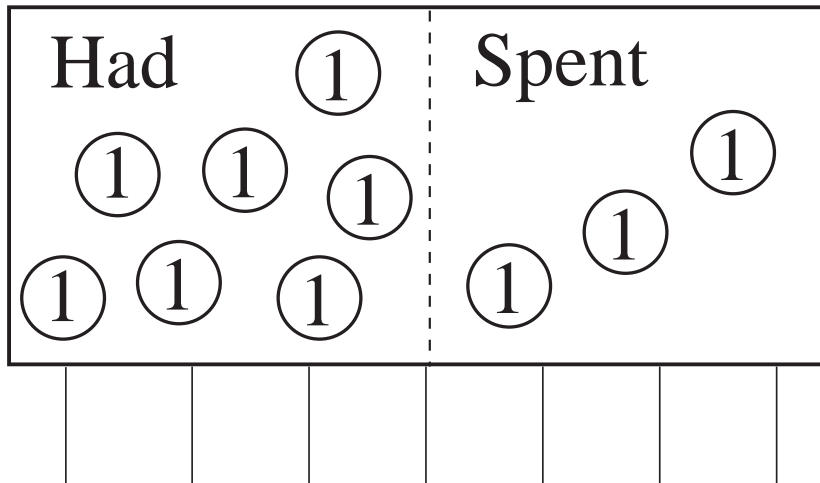
a)



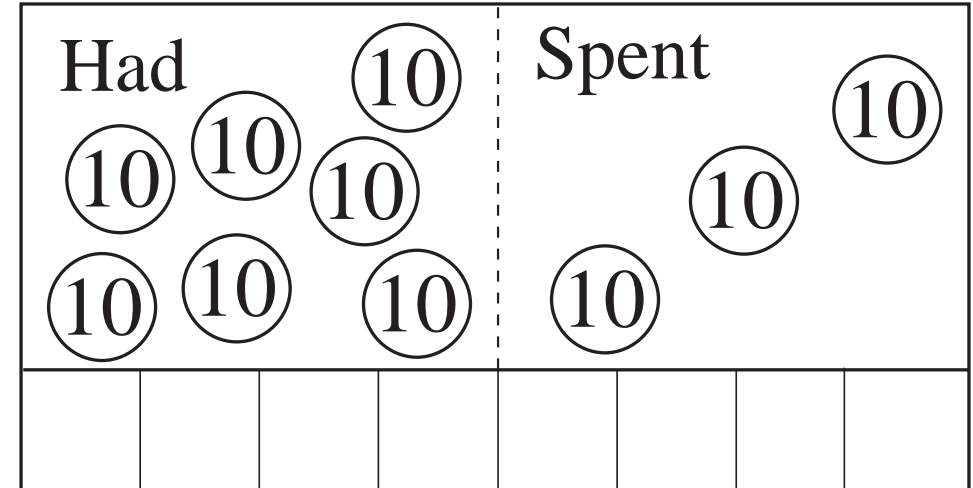
b)

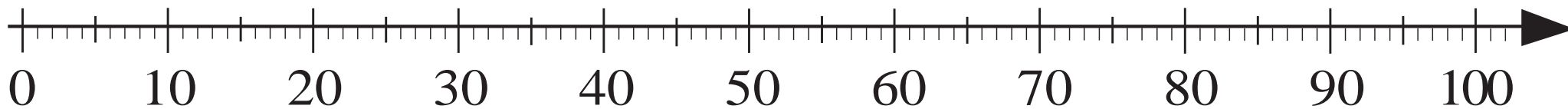








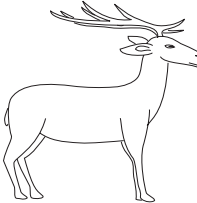
c)



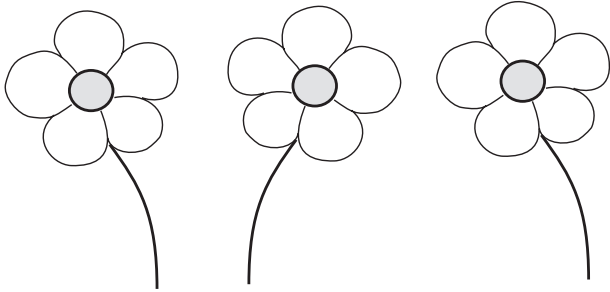
d)





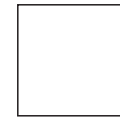
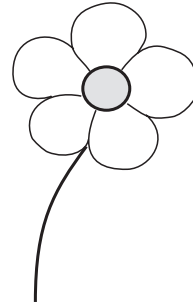
							
After 1 jump	0	1	4			7	10
After 10 jumps				60	50		

b)

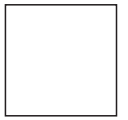


$$\square \text{ times } 5 = \square \square$$

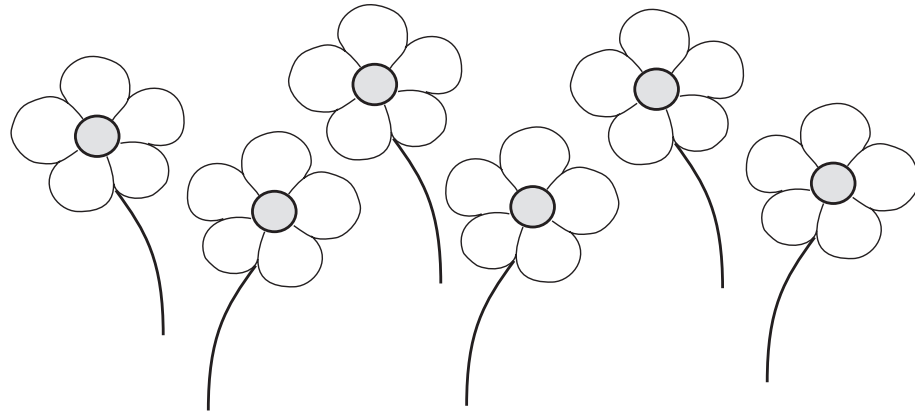
a)



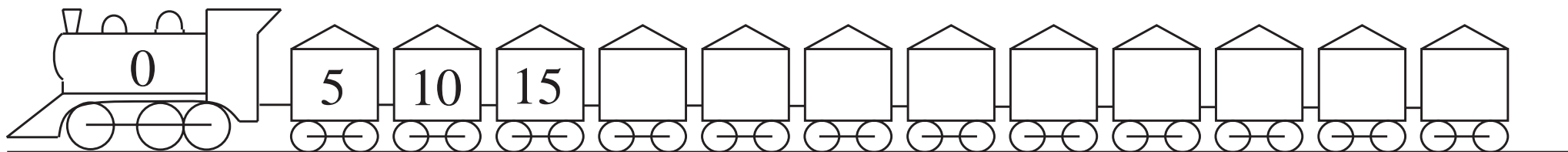
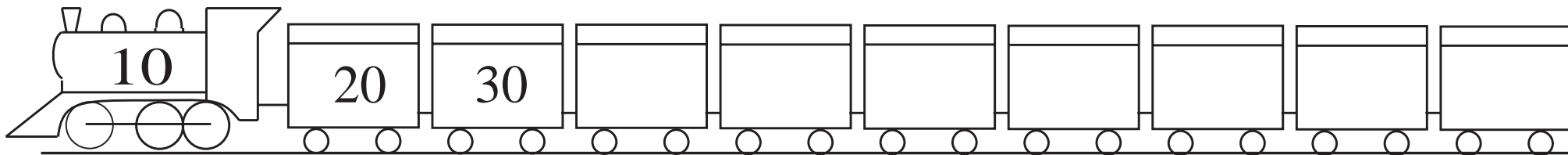
times 5 =



c)



$$\square \text{ times } 5 = \square \square$$



LP 33/6

○	5	15	20	30	45	55					95
△	10	20					65	70	80	95	

$$\triangle =$$

$$\circ =$$

LP 33/8



a) $30 \leq a \leq$

a:

.....

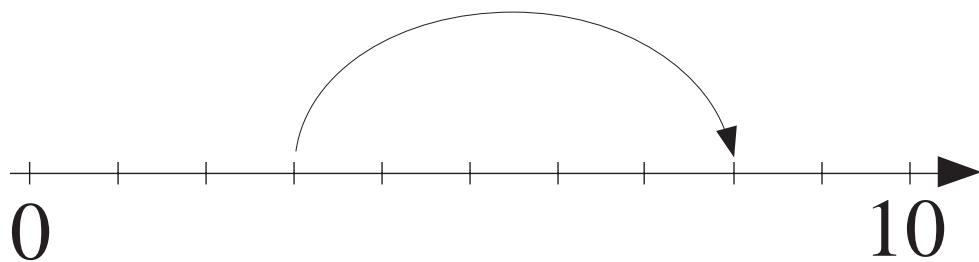
b) $\leq b \leq$

b:

c) $95 \leq c \leq$

c:

a)



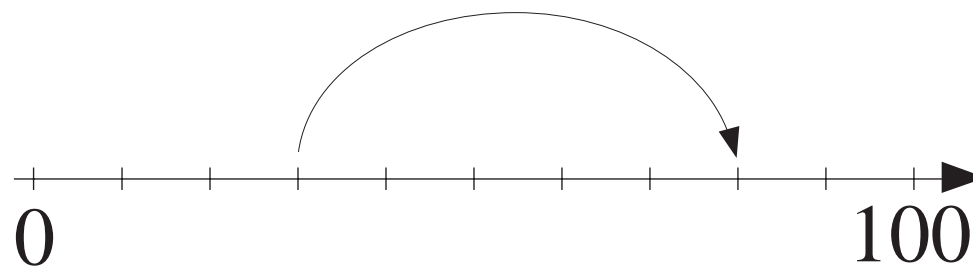
	< 5	
--	-------	--

3	+	5	=	
---	---	---	---	--

	$5 >$	3
--	-------	---

	-	5	=	3
--	---	---	---	---

b)



--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--

--	--	--	--	--	--	--	--

A	10	40	25	50	30	65	70			
B	0	30	15					70	80	90

B =

A =

10 =

a)

3, 13, 23,



b)

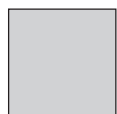
98, 88, 78,



$$20 \xrightarrow{+5} \boxed{} \xrightarrow{+10} \boxed{} \xrightarrow{+10} \boxed{} \xrightarrow{-5} \boxed{} \xrightarrow{+20} \boxed{}$$

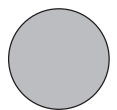
LP 36/5

a) $40 < \square < 47$



:

b) $30 + 20 < \bigcirc < 10 + 50$



:

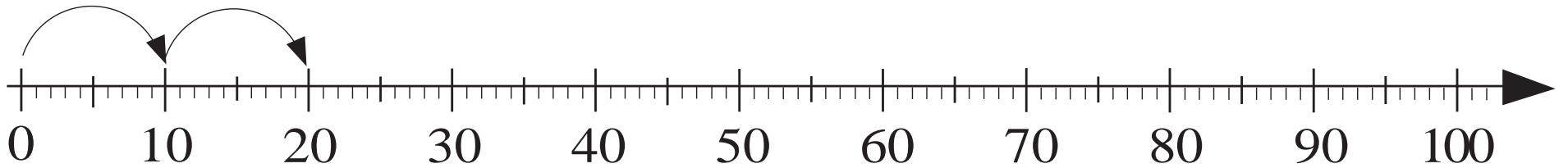
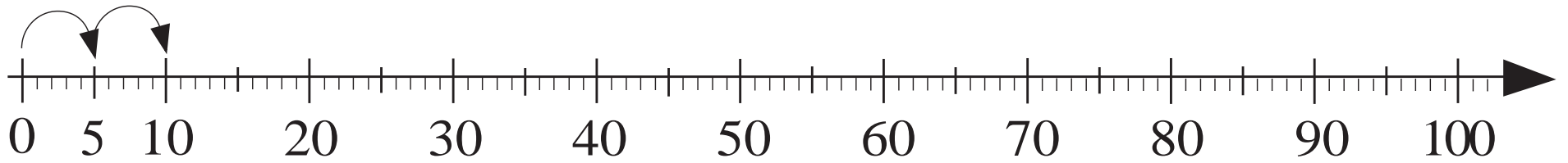
$$80 < \boxed{} < 100$$

82

84

Odd numbers

81



Number
of jumps

0

1

2

3

4

5

6

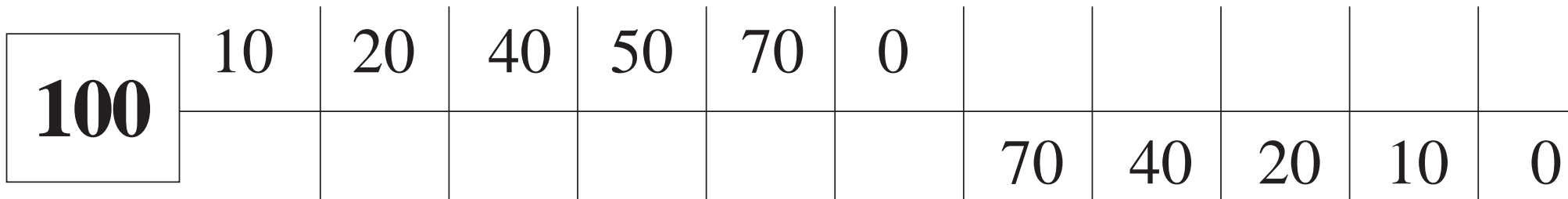
7

8

9

10





LP 37/7

A	0	30	50	40	80	70					5	15
B	20	50	70				30	40	80			

A =

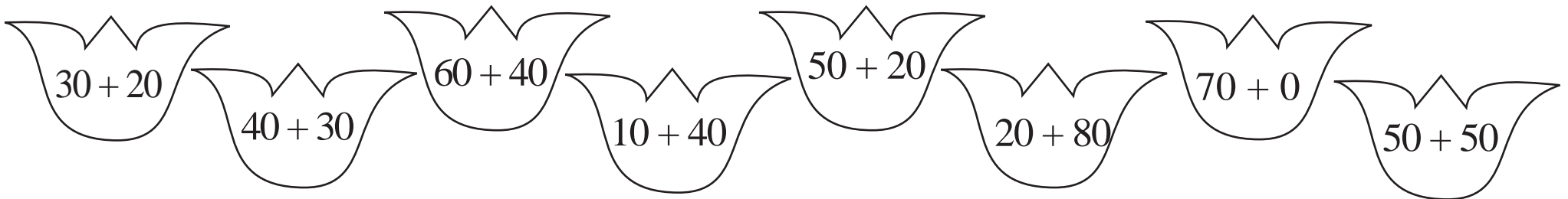
B =

LP 38/6

50

70

100



a)

$20 + 20$

$30 + 30$

b)

$10 + 70$

$20 + 30$

$10 + 40$

$50 + 30$

$30 + 40$

$20 + 60$

$70 + 20$

$20 + 40$

$80 + 10$

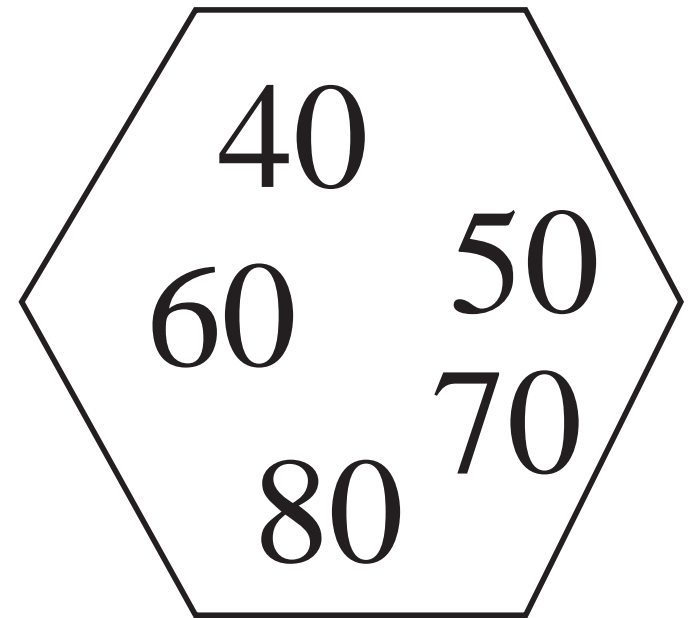
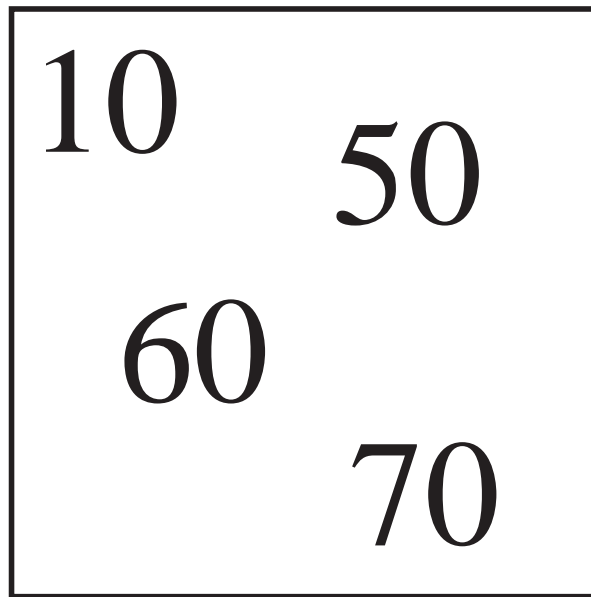
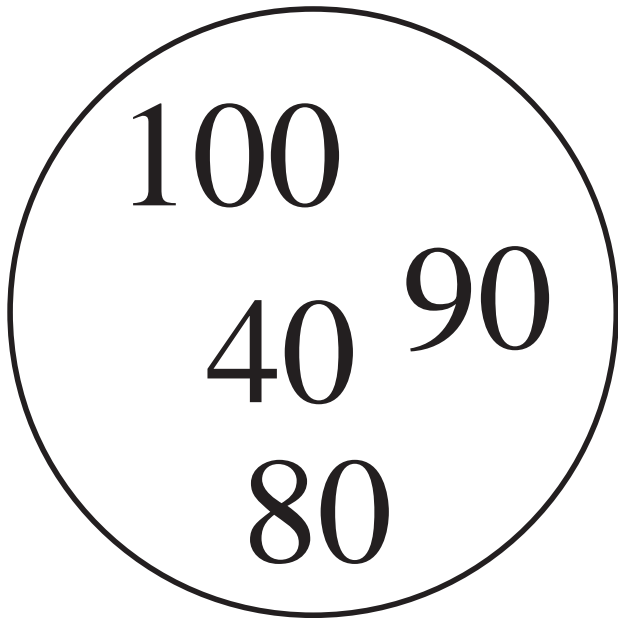
$60 + 40$

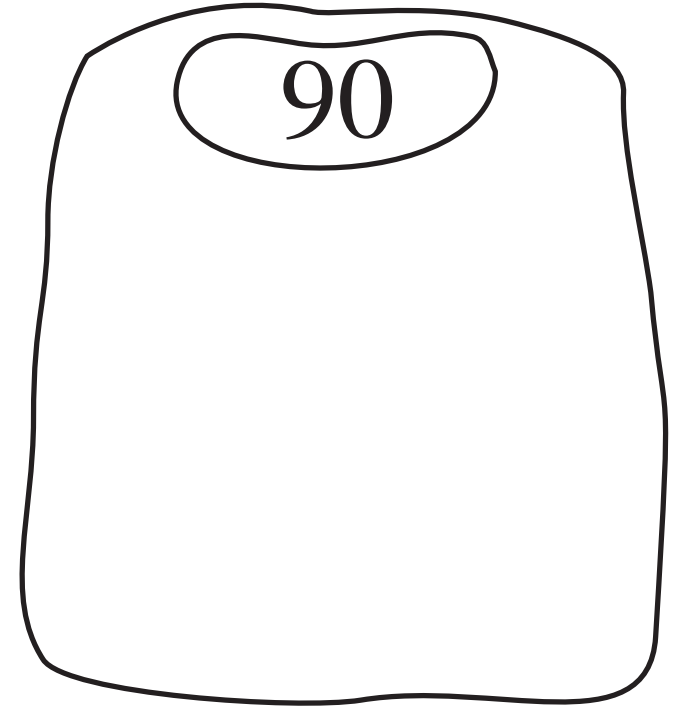
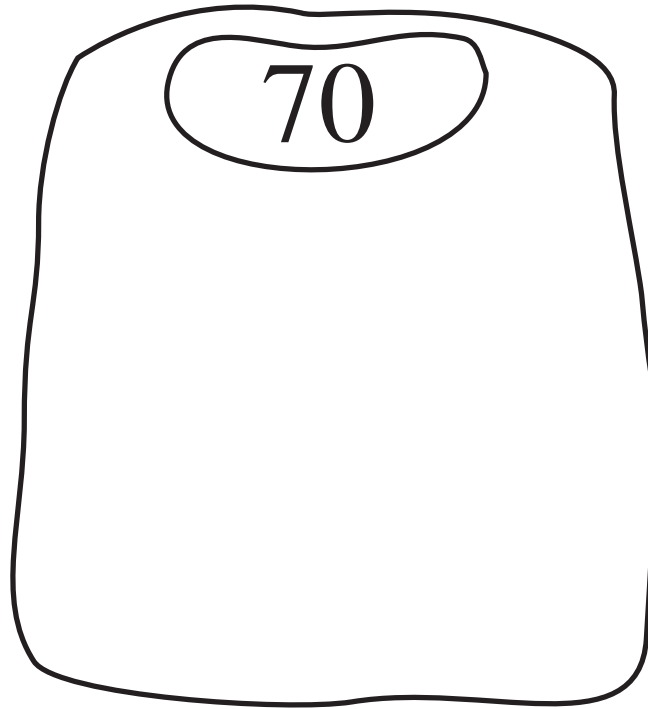
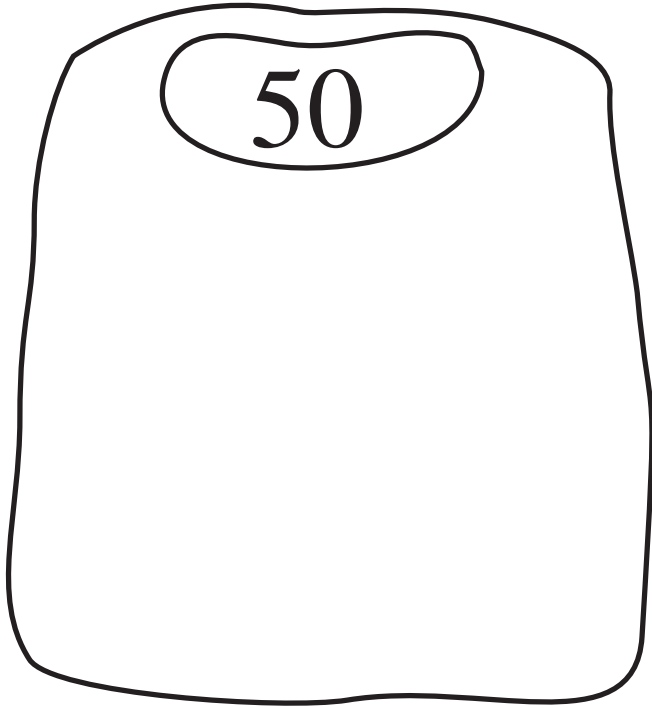
$30 + 50$

$60 + 10$

$40 + 50$

$10 + 10$





$20 + 30$

$50 + 20$

$60 + 30$

$30 + 20$

$60 + 10$

$30 + 60$

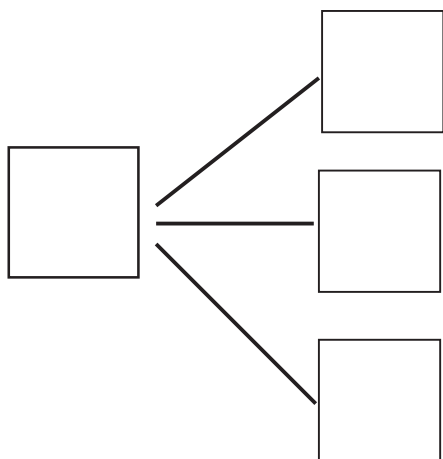
$10 + 40$

$40 + 30$

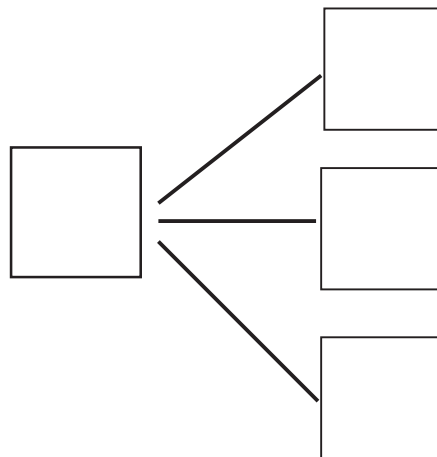
$70 + 20$

Extension: Blank rectangles for Ps' own additions.

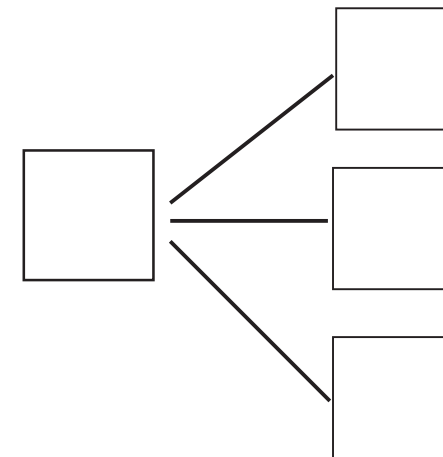
tens units



tens units



tens units



LP 41/3

$$20 + 5$$

$$35 + 10$$

$$5 + 7$$

$$40 + 30$$

$$60 + 40$$

$$40 + 40$$

$$20 + 40$$

<

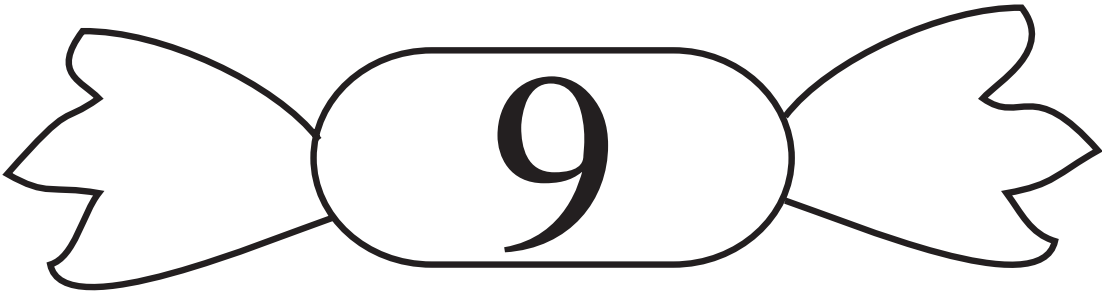
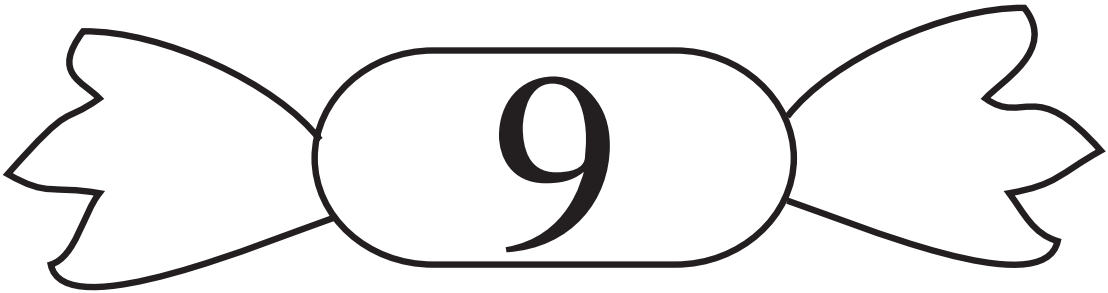
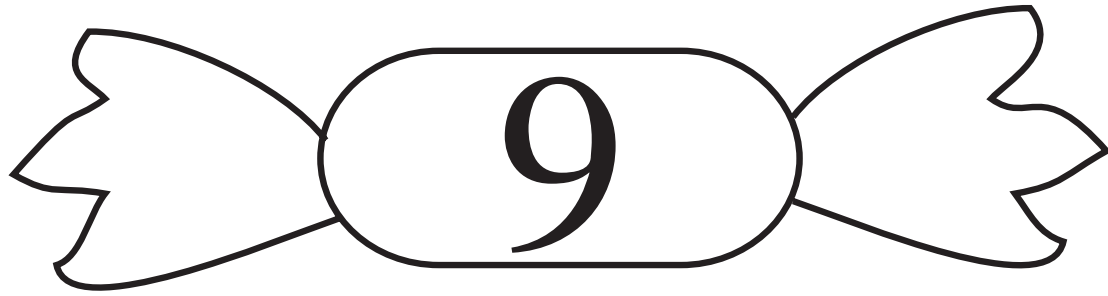
<



<

<

<

<

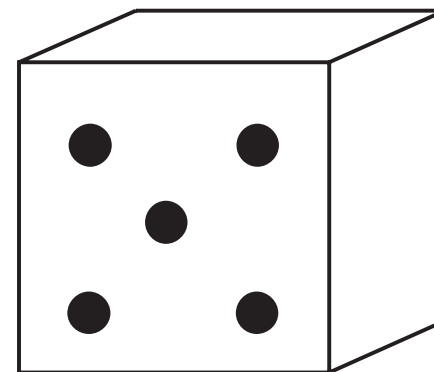
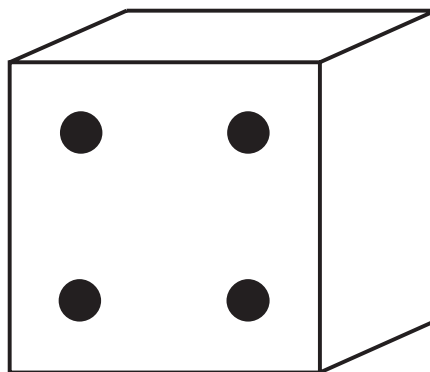
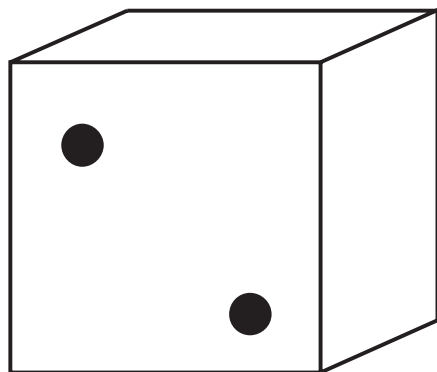
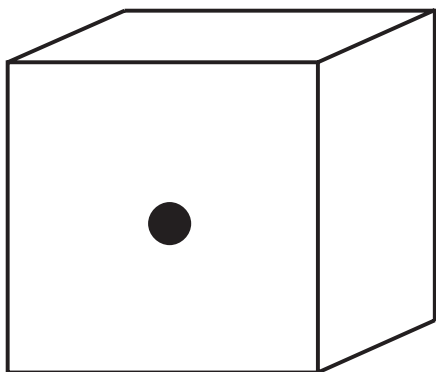


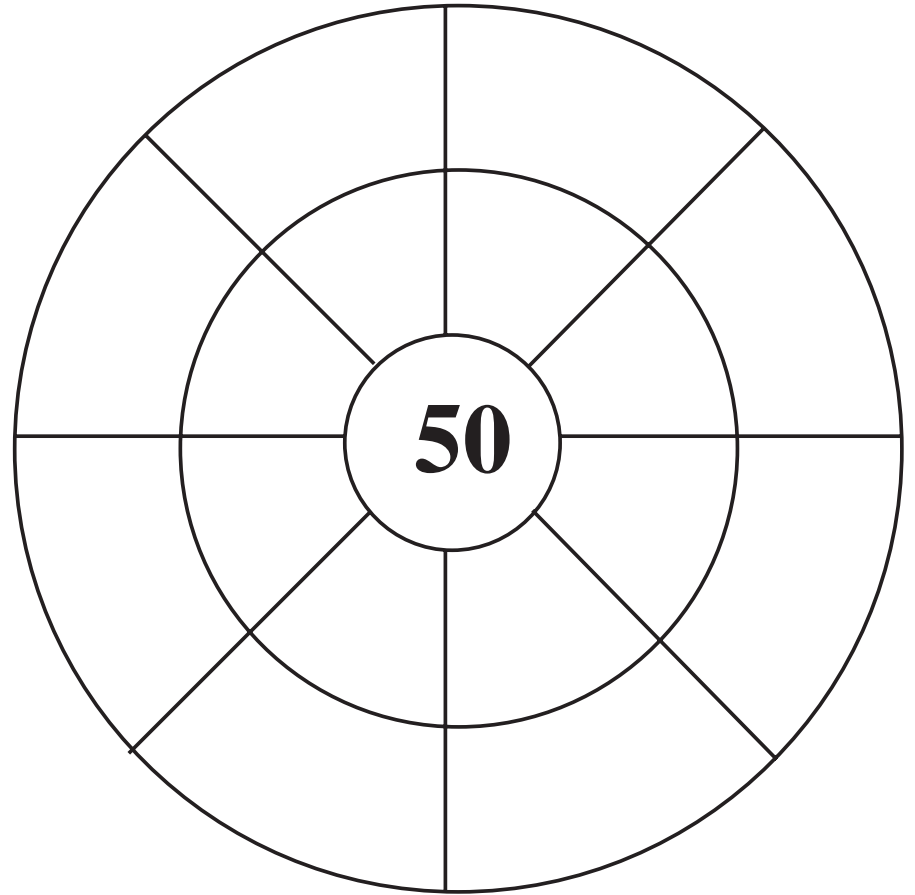
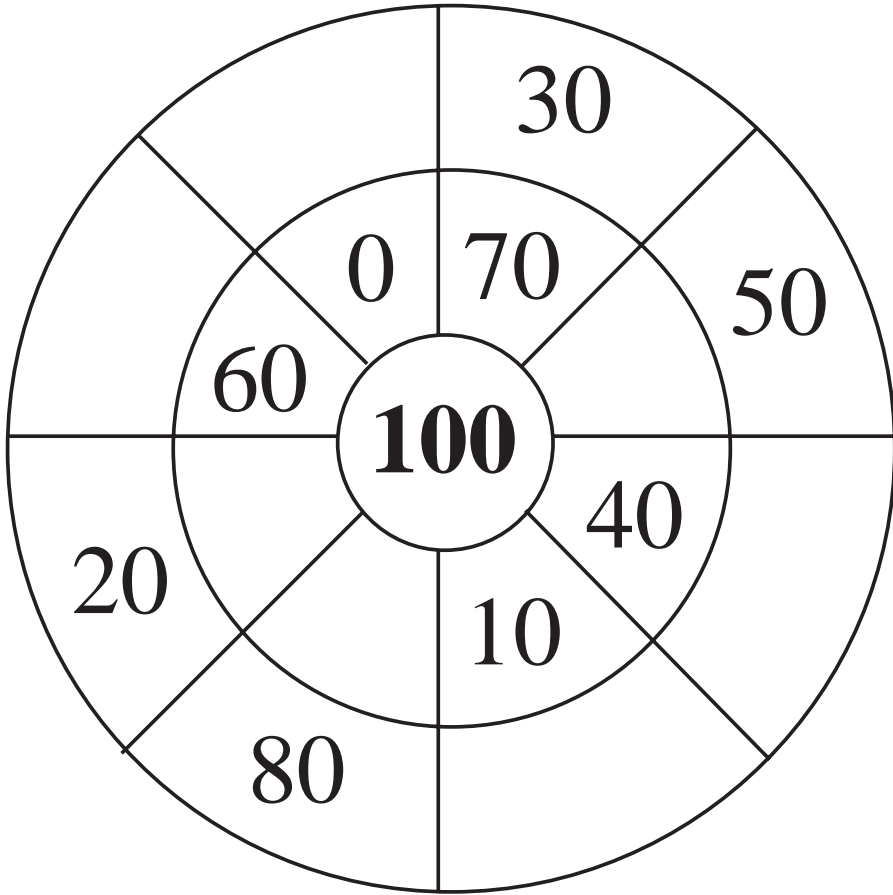
	30	10	60	70	80	20	0						
	50	70						40	30	80	60	70	

$\triangle =$

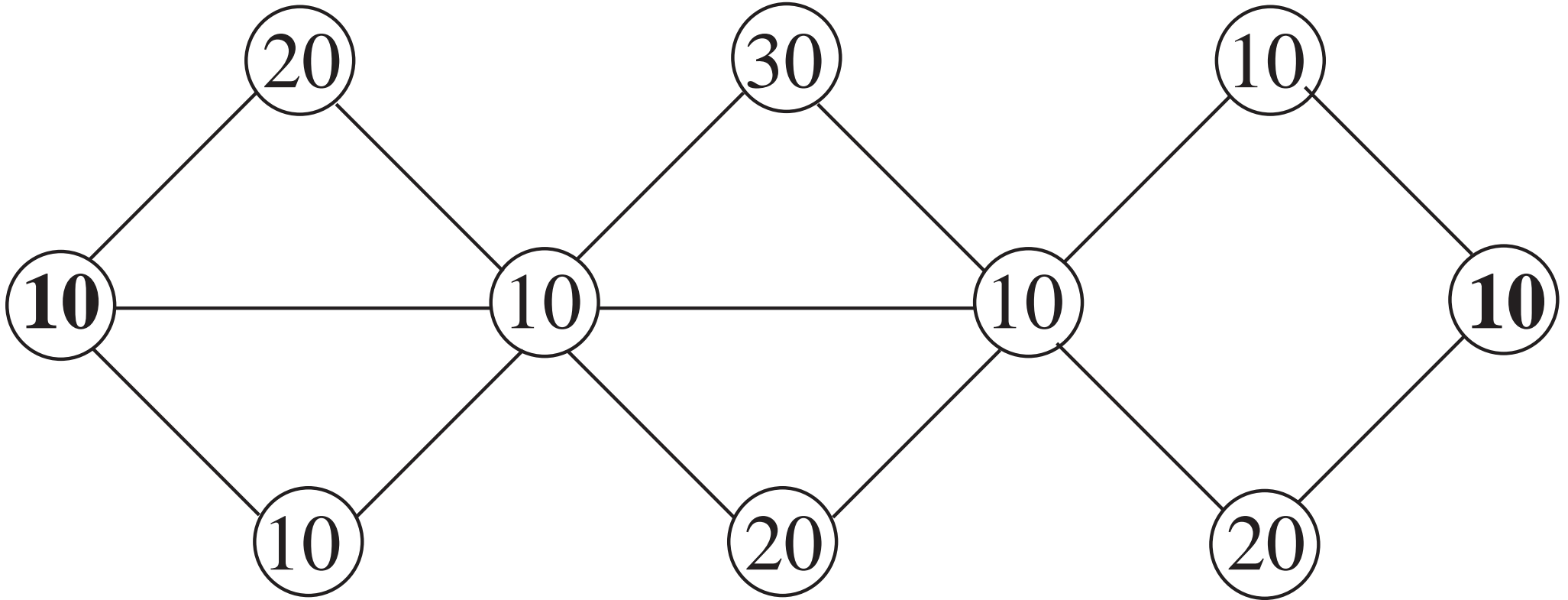
$\bigcirc =$

LP 42/5





80	$20 + 60$	$70 + 0$	$50 + 40$	90
$80 + 10$	$10 + 60$	70	$30 + 40$	$10 + 70$
$30 + 60$	$40 + 40$	$50 + 20$	$50 + 30$	$20 + 70$
$5 + 75$	$10 + 80$	$45 + 45$	$85 + 5$	$30 + 50$
$40 + 30$	$70 + 10$	$0 + 80$	$60 + 30$	$35 + 35$



40**60****90**

$50 + 40$

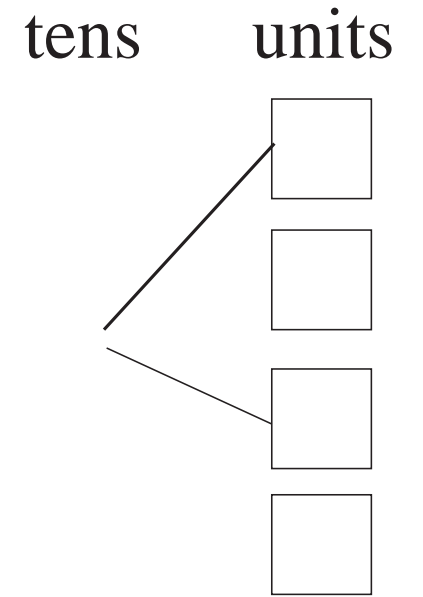
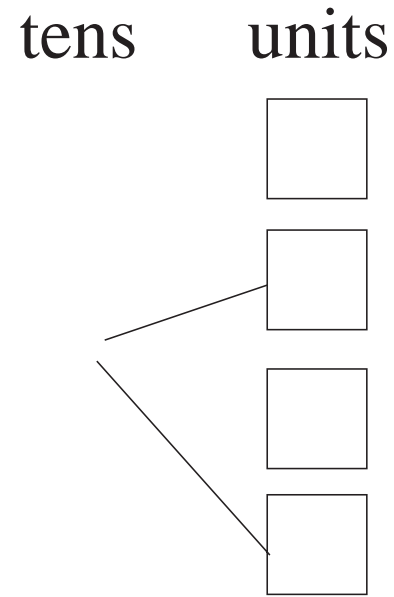
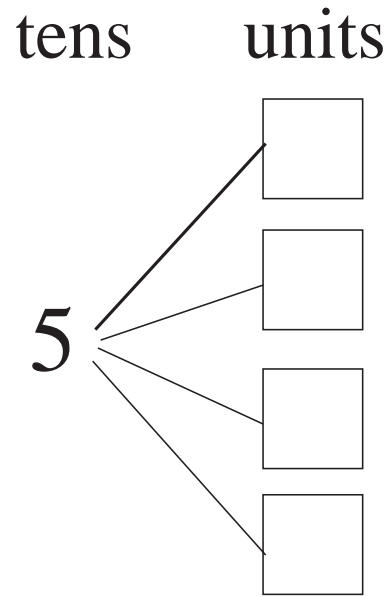
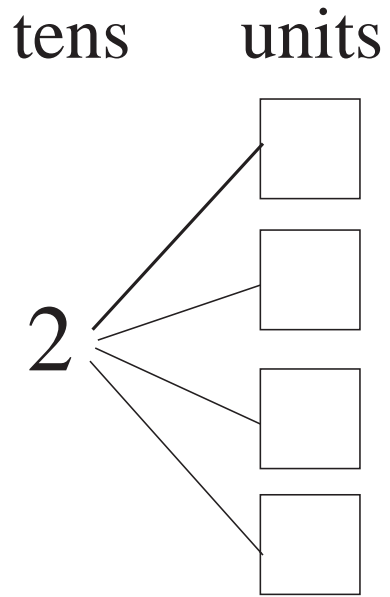
$30 + 30$

$10 + 30$

$70 + 20$

$10 + 50$

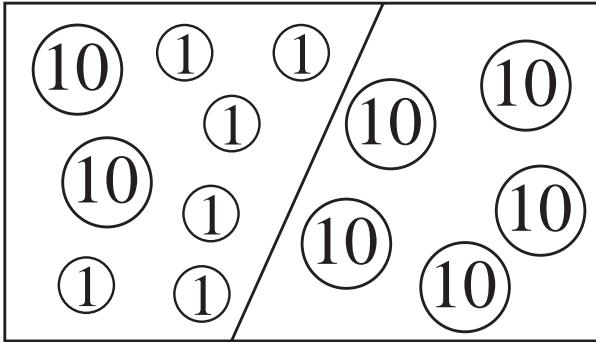
$20 + 20$



.....

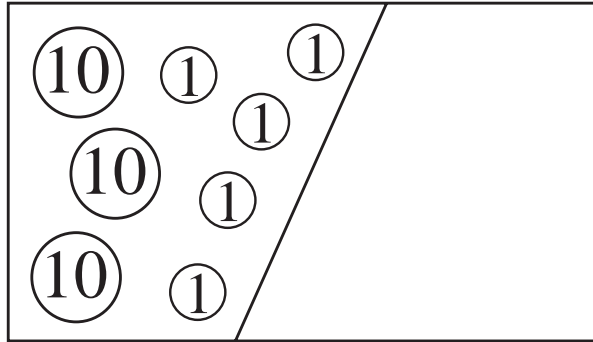
.....

a)



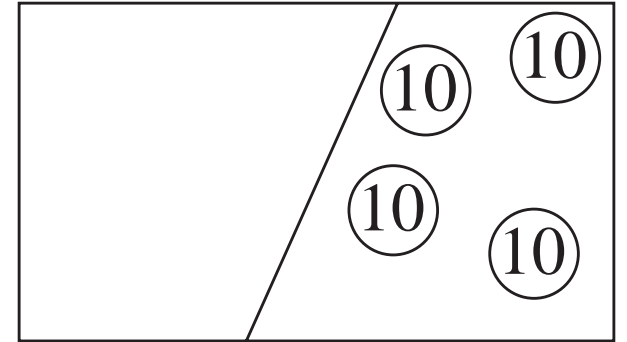
$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} + 50 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$$

b)



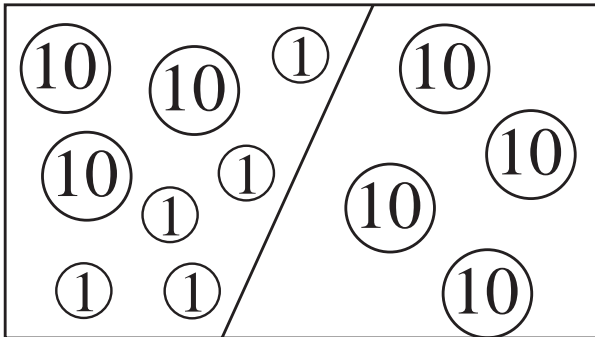
$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} + \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 75$$

c)



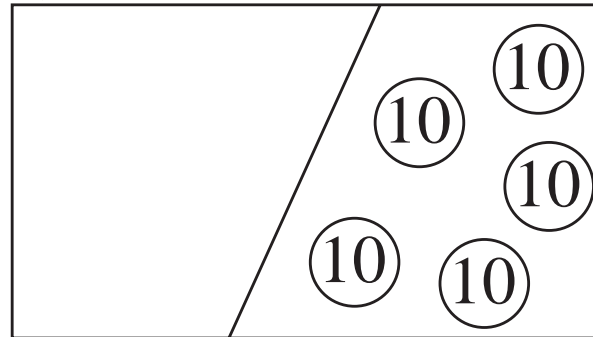
$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} + \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 54$$

d)



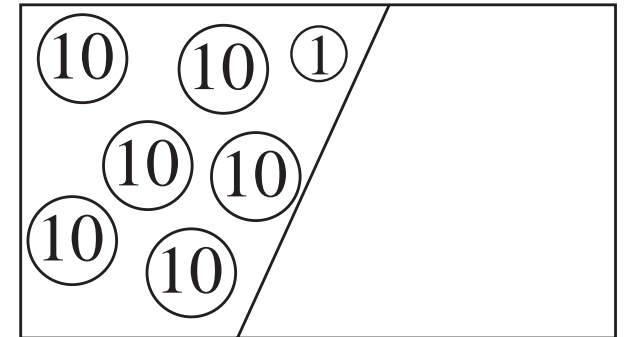
$$75 - \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 35$$

e)



$$74 - 50 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$$

f)



$$91 - \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 61$$

$$\square + \triangle + \bigcirc = 100$$

$$\square + \triangle - \bigcirc = 80$$

$$\square - \triangle + \bigcirc = 20$$

$$\square - \triangle - \bigcirc = 0$$


$$45 + 55$$


$$40 + 50$$


$$70 + 30$$


$$30 + 20$$


$$30 + 30$$


$$10 + 80$$


$$50 + 40$$


$$10 + 40$$


$$40 + 20$$

a) $20 + 20 < \square < 47$

\square :

b) $70 - 40 > \star > 20 + 5$

\star :

c) $10 + 70 < \triangle < 30 + 60$

\triangle :

$50 < \square$

$50 > \square$

$20 + 30$

$90 - 20$

$100 - 40$

$40 + 30$

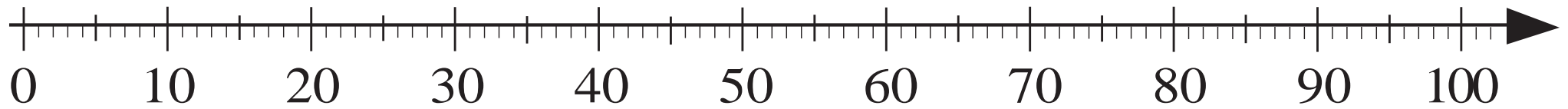
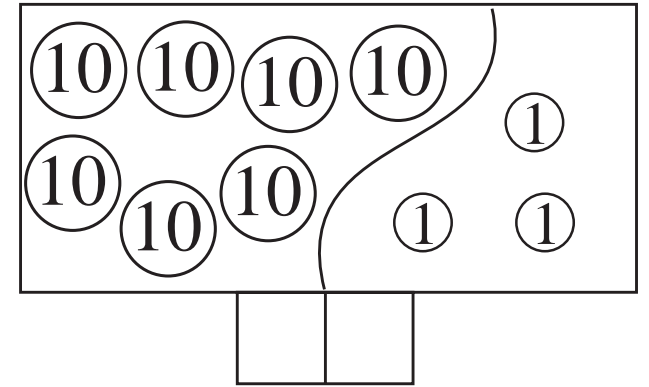
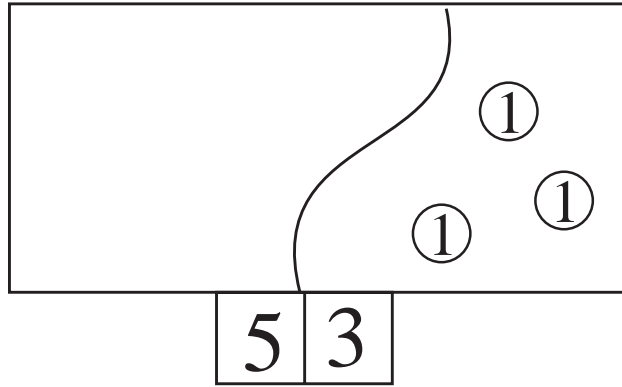
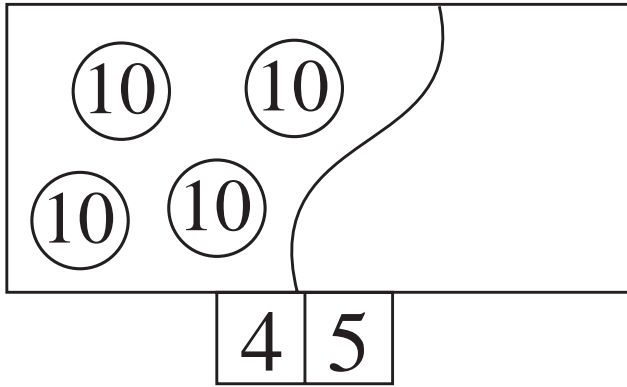
$10 + 80$

$80 - 50$

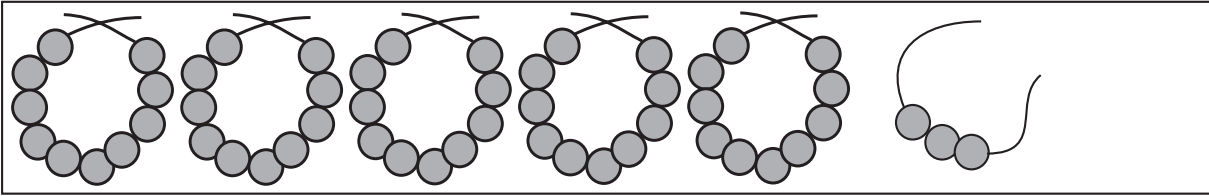
$90 - 60$

$30 + 50$

$30 + 10$



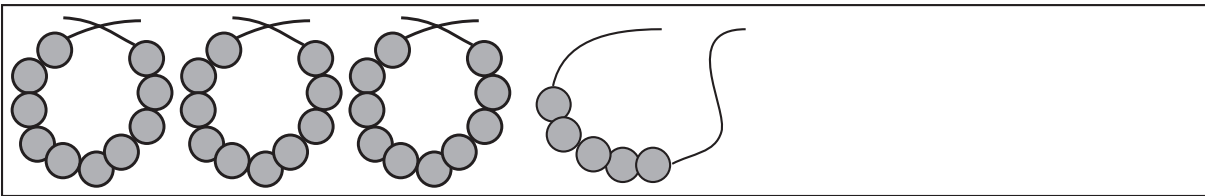
a)



--	--	--	--	--	--	--

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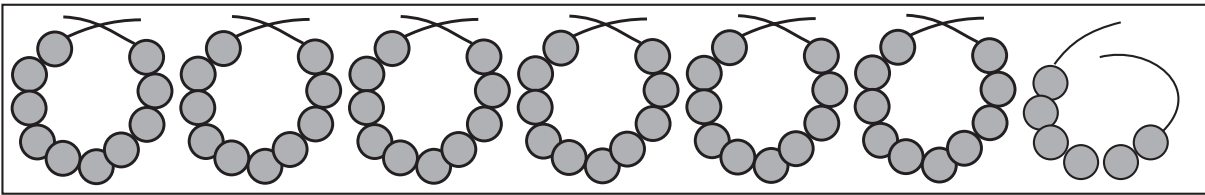
b)



--	--	--	--	--	--	--

--	--	--	--	--	--	--

c)



--	--	--	--	--	--	--

--	--	--	--	--	--	--

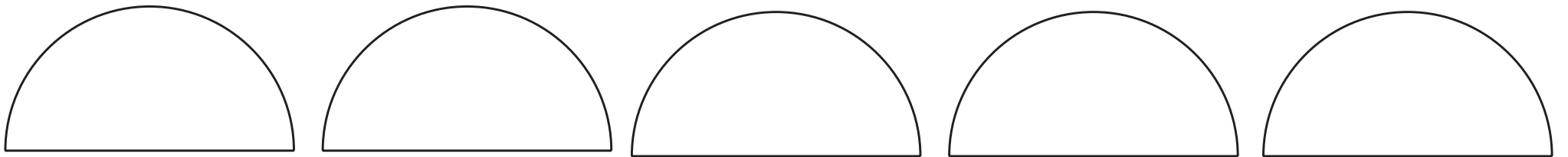
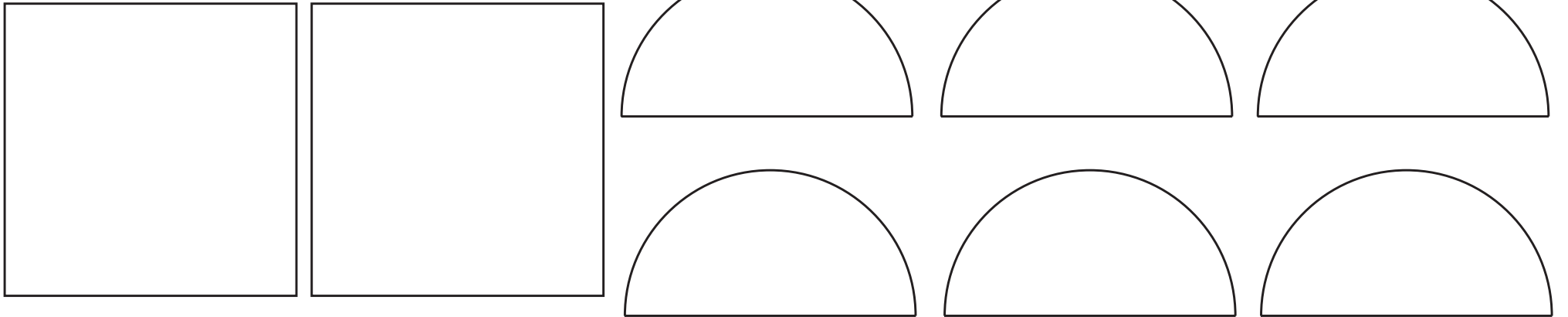
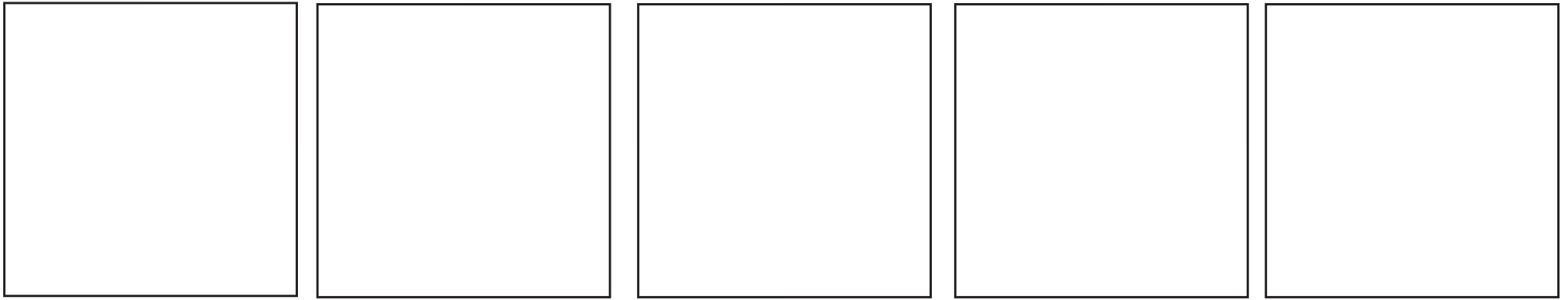
<i>a</i>	60	40	20	40	50	30			10	80	25		10
<i>b</i>	30	10	50	40			20	30	20			70	
<i>c</i>	10	50			10	50	20	10		0	25		

Rule: $a + b + c =$

.....

.....

.....



a)

--	--

$$\overbrace{\quad + \quad}^{30 + 5}$$

--	--

$$\overbrace{\quad + \quad}^{30 + 8}$$

b)

--	--

$$\overbrace{\quad + \quad}^{40 + 7}$$

--	--

$$\overbrace{\quad + \quad}^{70 + 4}$$

c)

--	--

$$\overbrace{\quad - \quad}^{96 - 6}$$

--	--

$$\overbrace{\quad - \quad}^{95 - 5}$$

d)

--	--

$$\overbrace{\quad - \quad}^{87 - 7}$$

--	--

$$\overbrace{\quad - \quad}^{78 - 8}$$

e)

--	--

$$\overbrace{\quad + \quad}^{60 + 6}$$

--	--

$$\overbrace{\quad + \quad}^{6 + 60}$$

f)

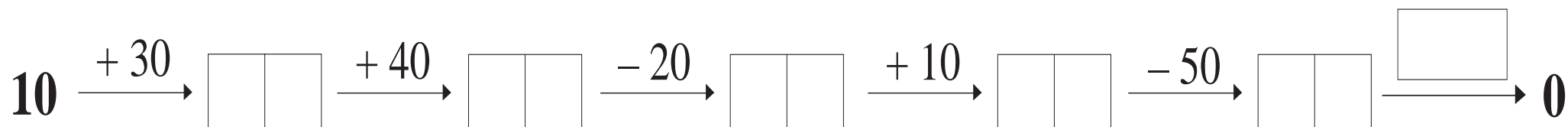
--	--

$$\overbrace{\quad - \quad}^{53 - 3}$$

--	--

$$\overbrace{\quad - \quad}^{53 - 50}$$

		10		30		50		70		90					
	9		11	29		31	49		51	69		71	89		91
	8		12	28		32	48		52	68		72	88		92
	7		13	27		33	47		53	67		73	87		93
	6		14	26		34	46		54	66		74	86		94
	5		15	25		35	45		55	65		75	85		95
	4		16	24		36	44		56	64		76	84		96
	3		17	23		37	43		57	63		77	83		97
	2		18	22		38	42		58	62		78	82		98
	1		19	21		39	41		59	61		79	81		99
0		20		40		60		80		100					



LP 48/7

$$47 < \boxed{} + 40 < 70 - 20$$

$$\boxed{} + 40 : \dots\dots\dots$$

$$\boxed{} : \dots\dots\dots$$

LP 48/8

68

39

52

27

65

86

3

15

18

98

40

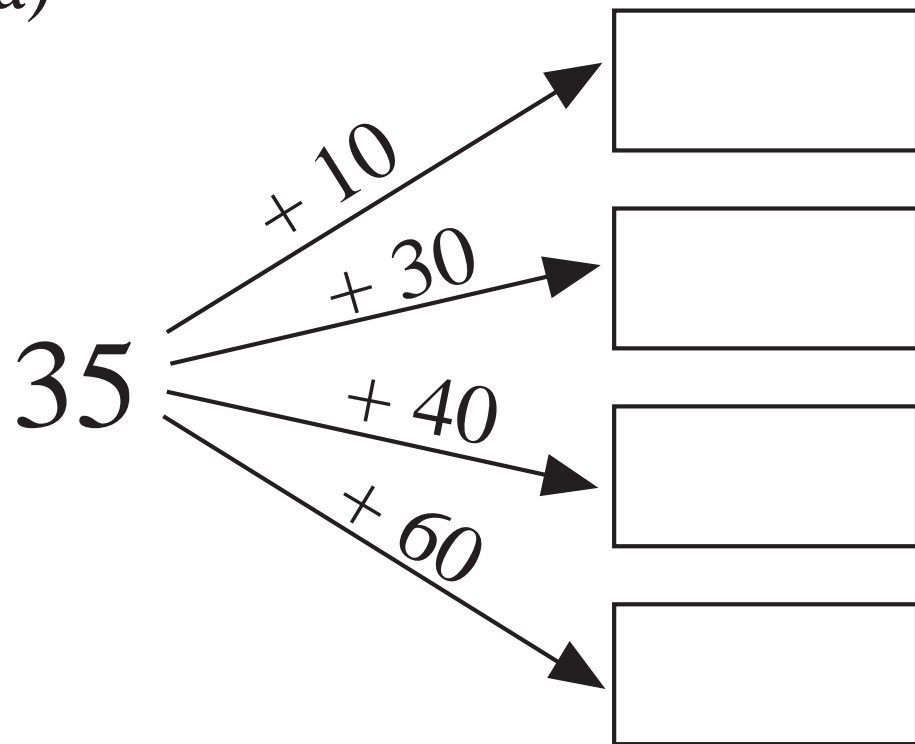
21

71

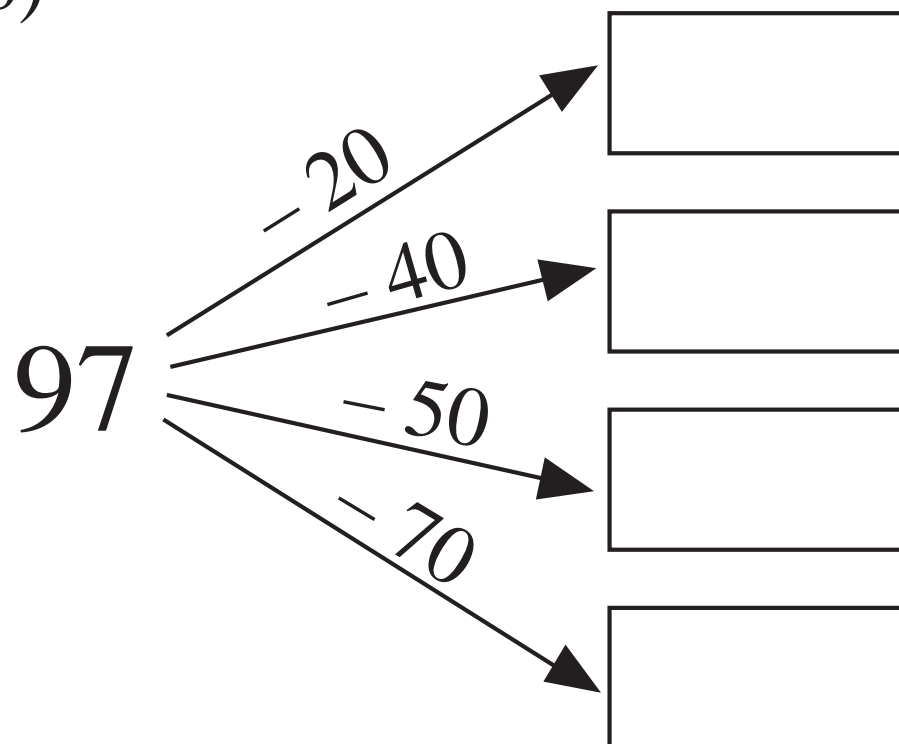
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Even and not less than 40**Odd and more than 40**

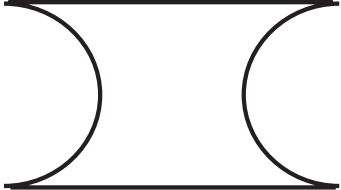
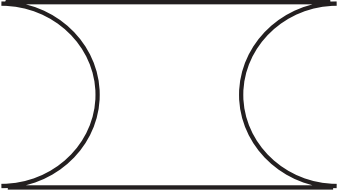
a)

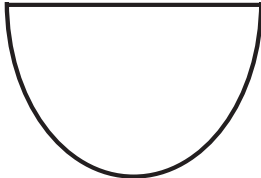
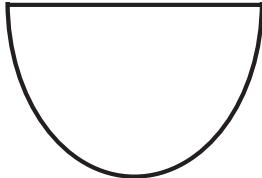


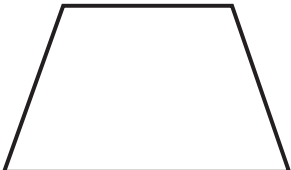
b)



a)  +  +  = 90 - 30

b)  +  = 60 + 20 + 20

c)  +  + 10 = 100 - 30

d) 30 +  = 90 - 