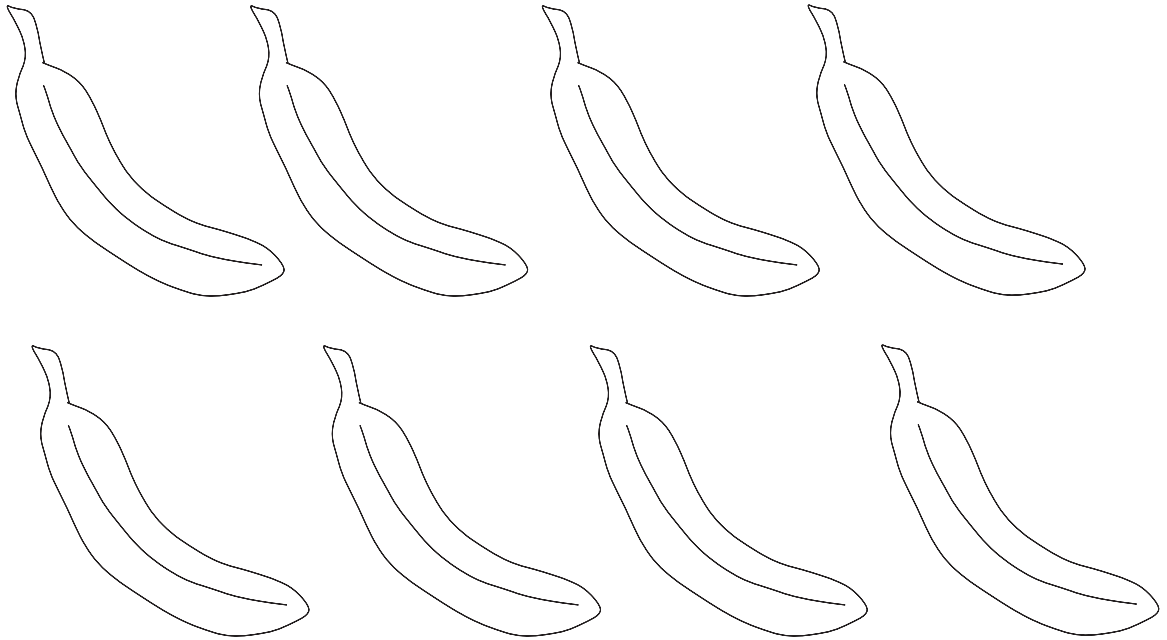
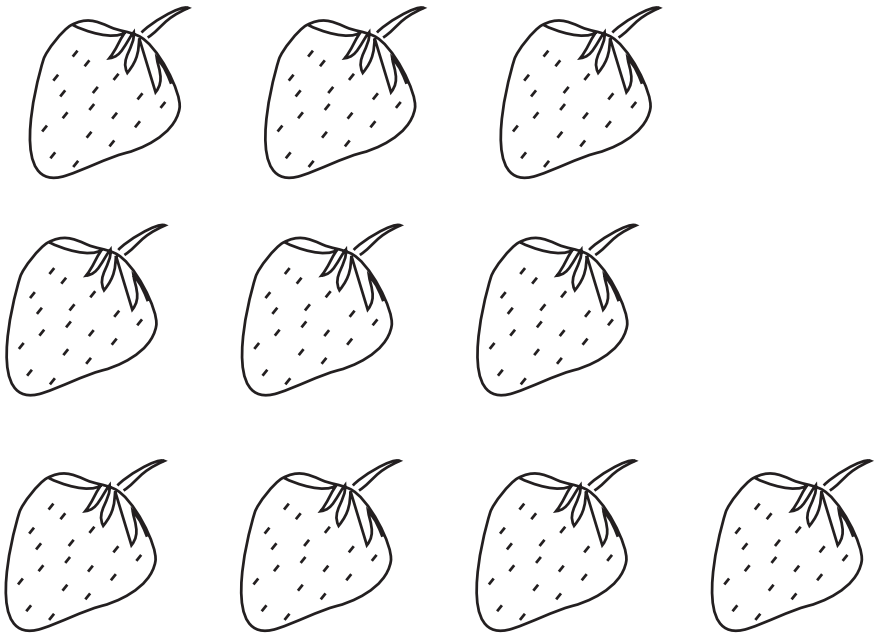
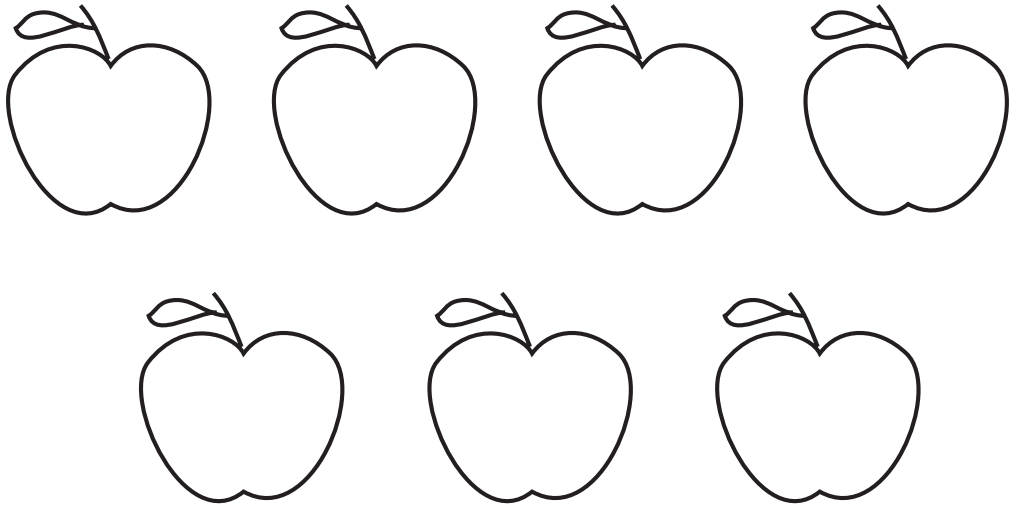
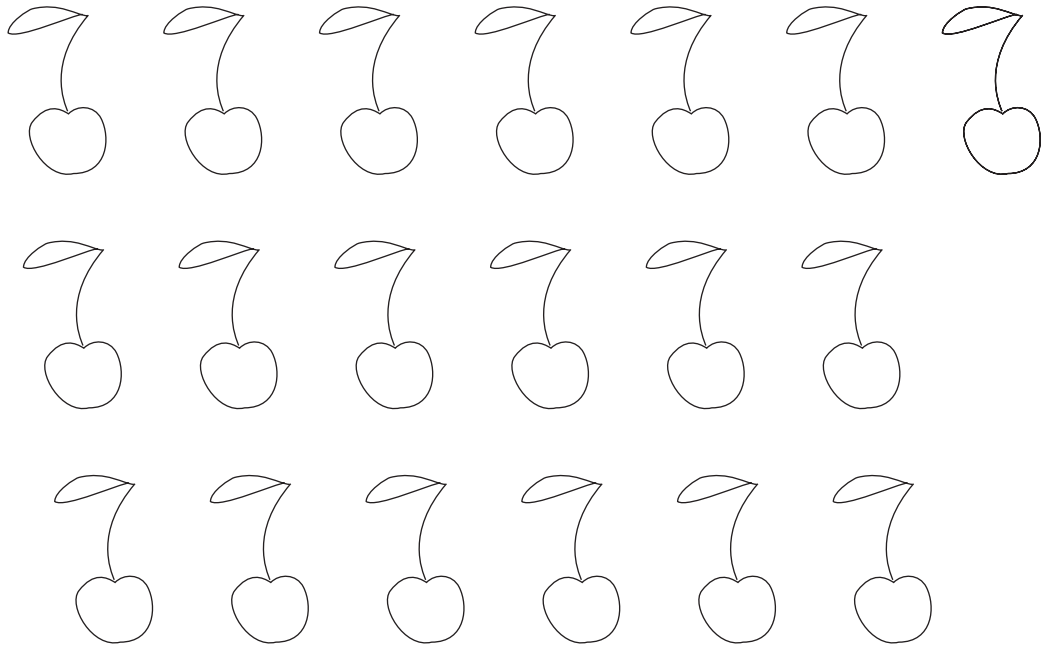
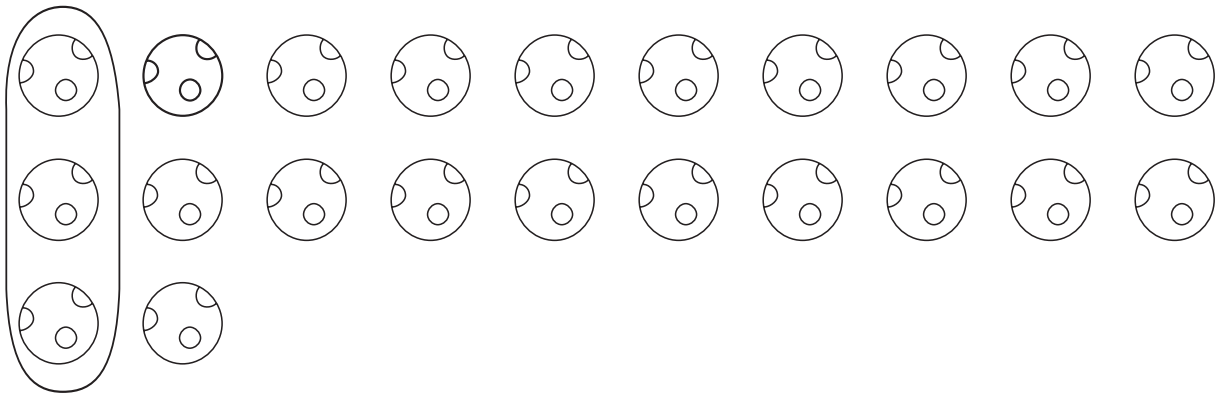








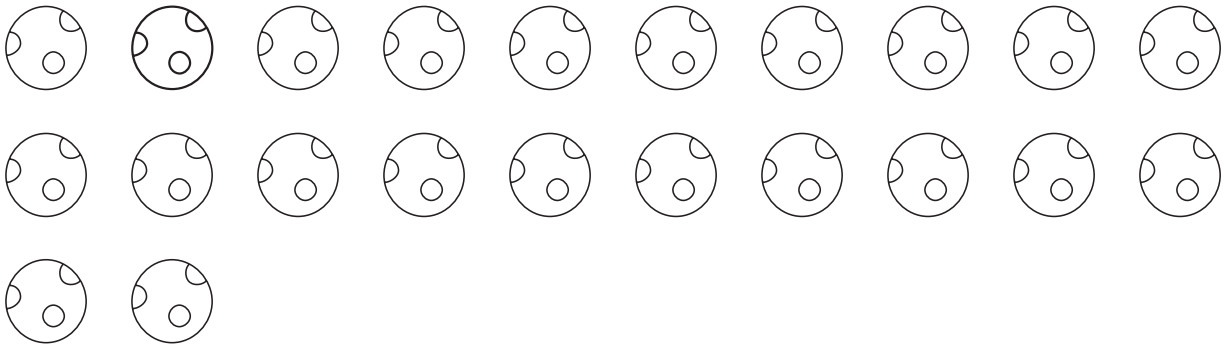
a)



$22 = \square \times 3 + \square$

$22 \div 3 = \square$, remainder $\square$

b)



$22 = \square \times 5 + \square$

$22 \div 5 = \square$, remainder $\square$

a) 9 eggs

9	÷	4	=	2
remainder				1

Check

$4 \times 2 + 1 = 9$

b) 16 eggs

remainder					

Check

c) 17 eggs

remainder					

Check

d) 20 eggs

remainder					

Check

e) 22 eggs

remainder					

Check

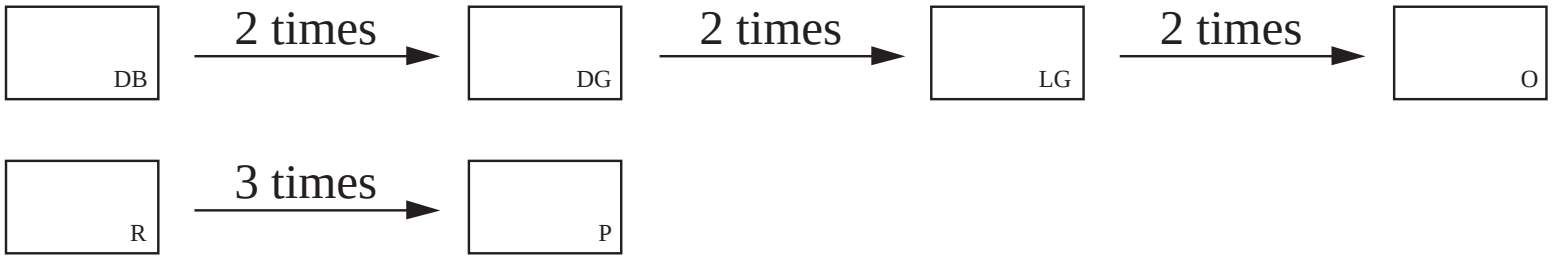
f) 39 eggs

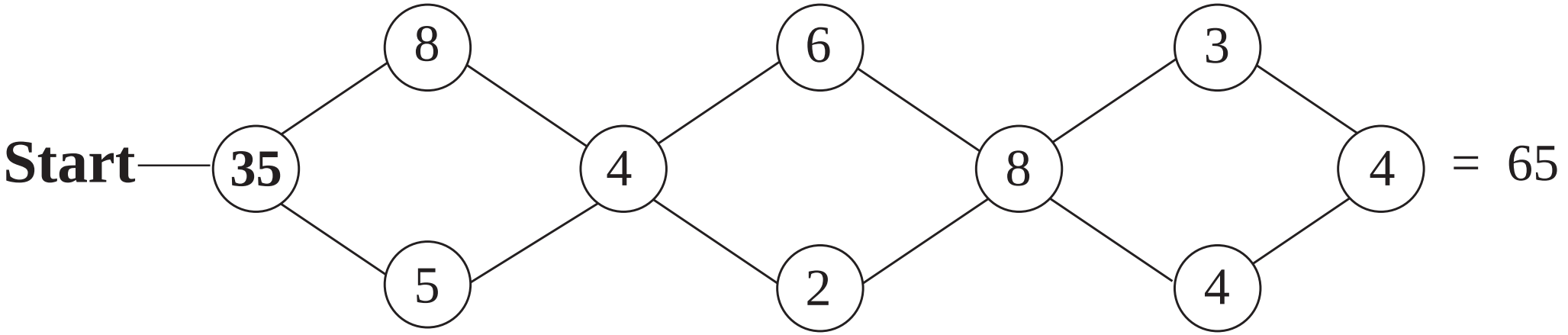
remainder					

Check

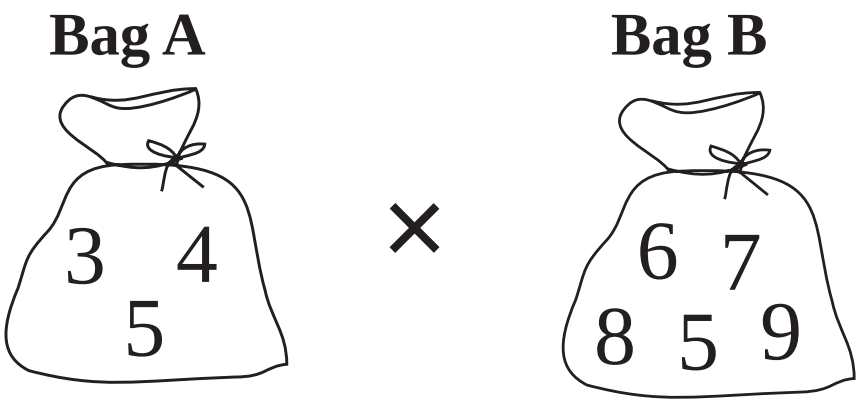
	44 ↓	45 ↓	46 ↓	47 ↓	48 ↓	49 ↓	50 ↓	51 ↓	52 ↓	53 ↓	54 ↓	55 ↓
62 →	LG	Y	R	DG	Y	LG	Y	O	O	V	Y	LB
63 →	DG	Y	DG	DG	LB	LB	LB	Y	Y	O	V	P
64 →	DG	DG	O	Y	Y	DB	DG	P	V	Y	P	P
65 →	DG	DB	LG	V	O	Y	R	LB	LB	O	LB	P
66 →	DG	V	R	LG	Y	V	LB	Y	P	Y	LG	P
67 →	P	Y	Y	LB	LG	V	P	Y	LG	Y	LB	DG
68 →	P	LB	V	LG	LG	Y	V	LB	LB	V	Y	DG
69 →	V	O	LB	O	Y	V	LB	LG	LG	LG	LB	LG
70 →	V	LB	O	P	LB	V	LB	R	R	LG	LB	Y

KEY:





LP 89/7

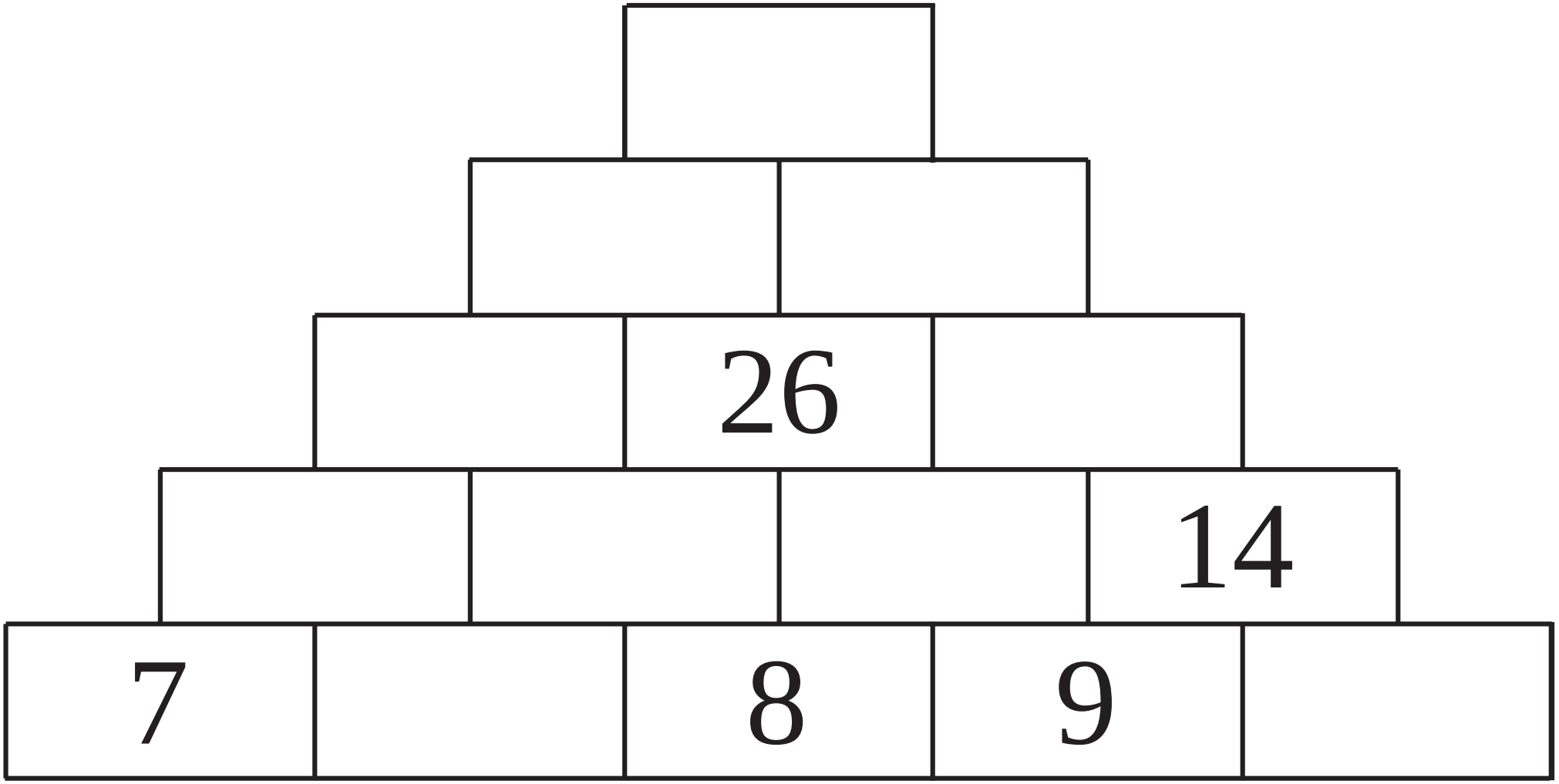


$3 \times 5 =$ ..... $3 \times 6 =$ ....

$4 \times 5 =$ ....

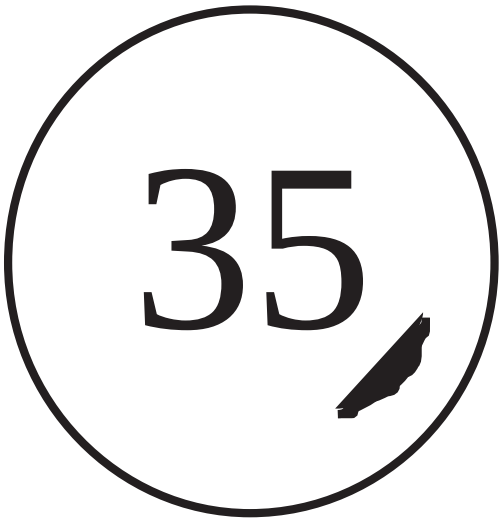
....

LP 90/3



Had (p)	57	57	57	57	57	57	57
Spent (p)							
Has left (p)							

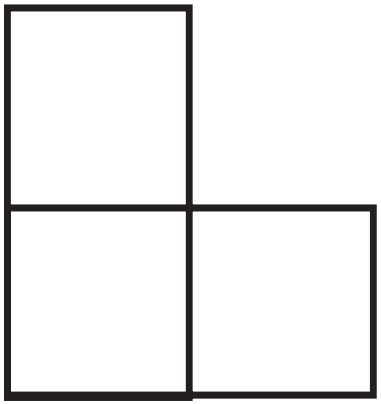
LP 90/7

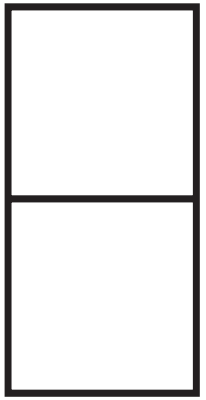


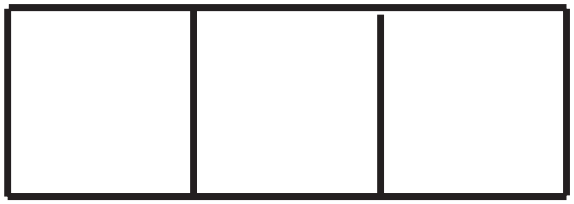
Colour the fruit.

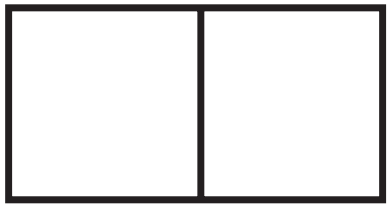
LP 91/1

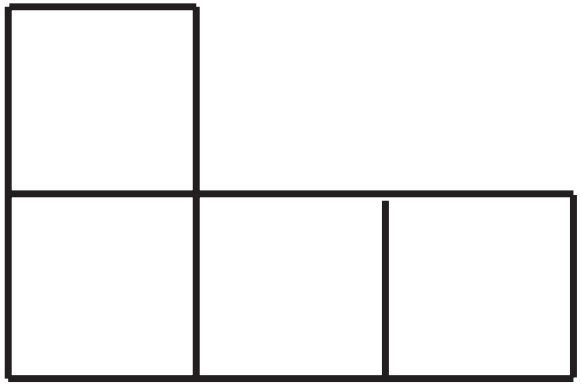
3	8	5	2	7	3	2	4
9	1	4	3	6	1	3	5
3	7	4	2	5	8	7	6
2	9	3	5	2	4	7	4
2	6	5	3	2	2	3	5

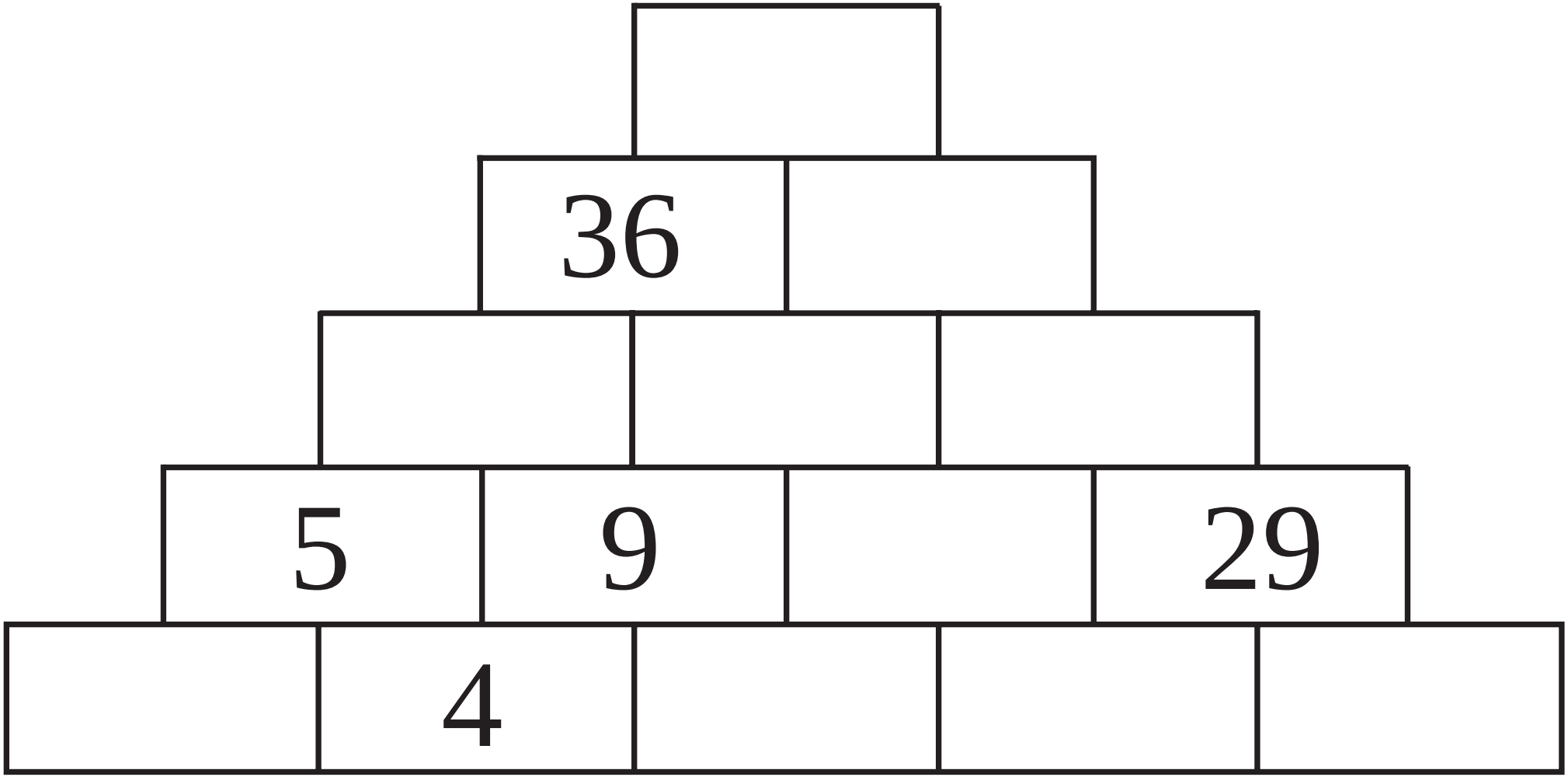




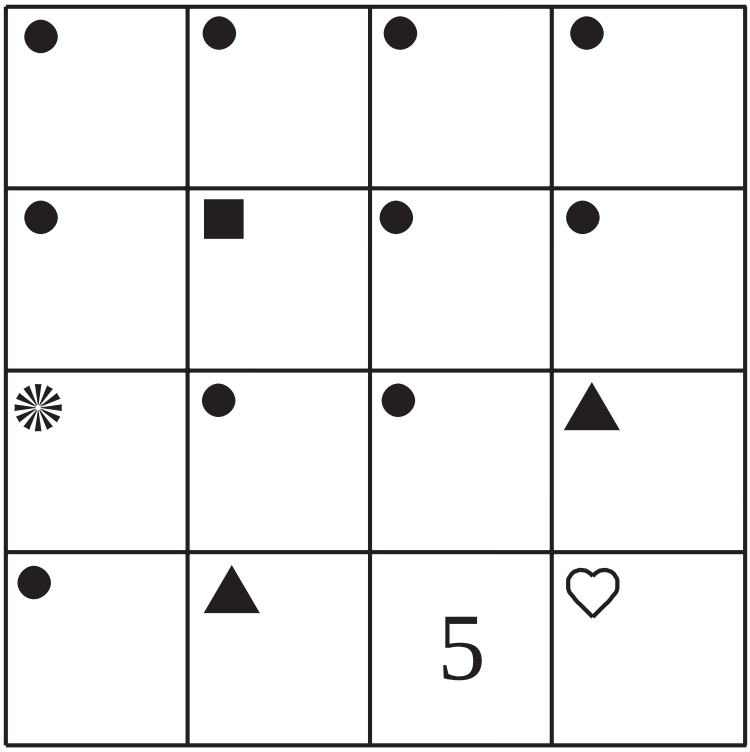








a)



= 16

= 32

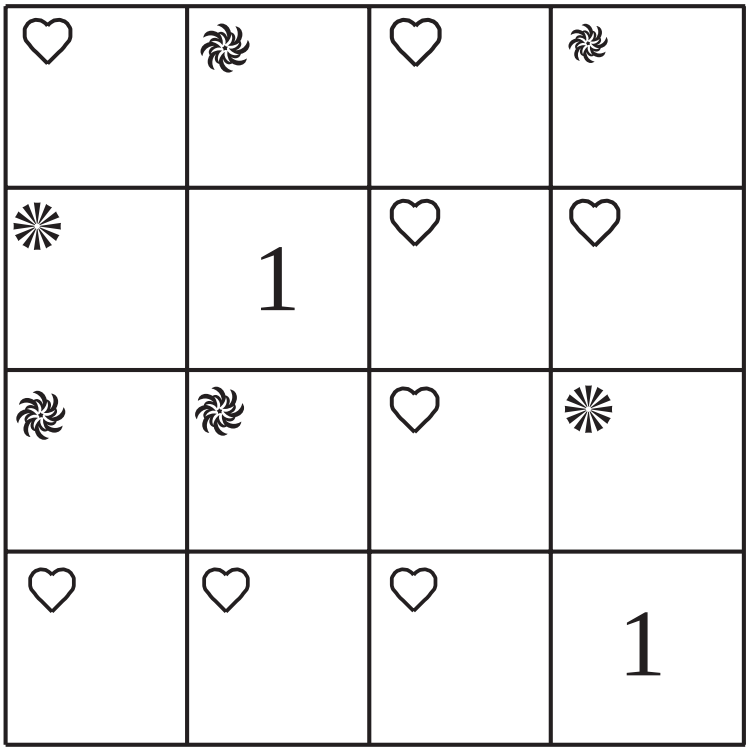
= 12

= 70

= = = =

24 16 40 28

b)



= 36

= 20

= 90

= 8

= = = =

60 18 16 30

a) $2 \times 3 + 9 = \square$

$4 \times \square - 2 = 5 \times 2$

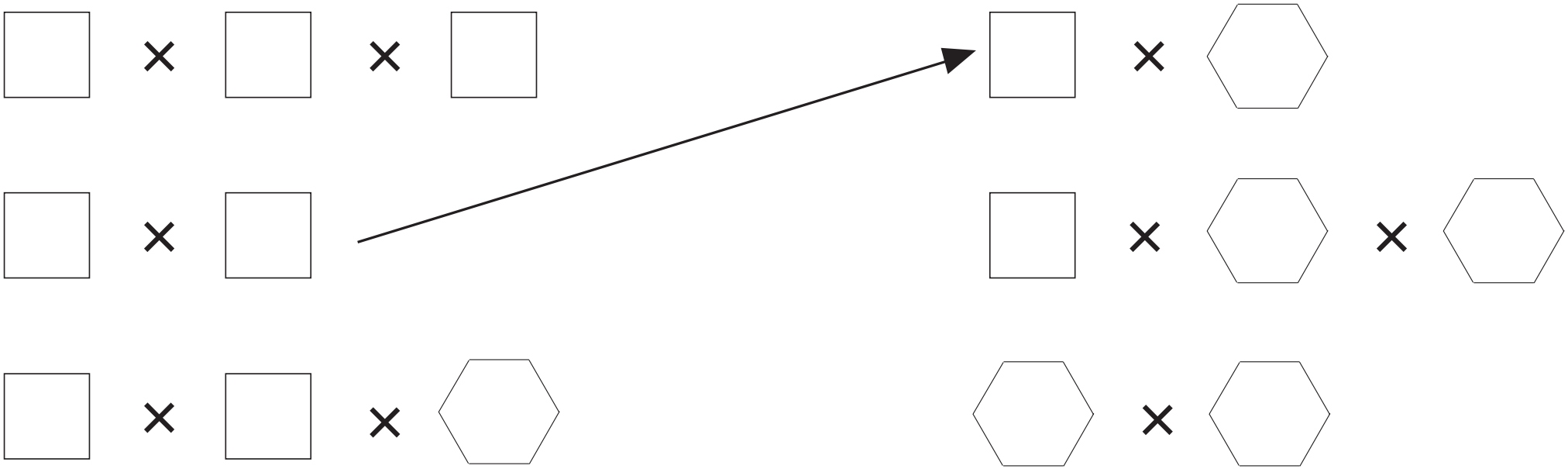
$\square \times 7 - 12 = 4 \times 4$

b) $16 \div 2 - 1 = \square \div 4$

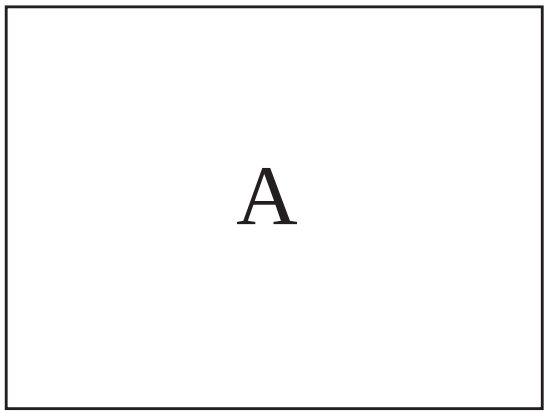
$16 \div 4 + 1 = \square \div 3$

$14 \div 2 + 1 = \square \div 4$

LP 91/6

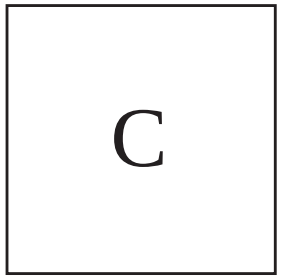


LP 92/3

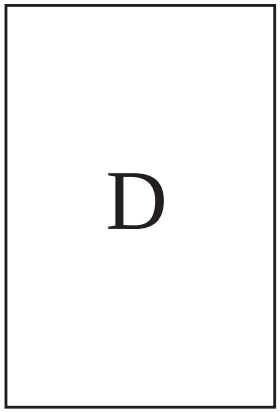


□ cm

□ cm



□ cm



□ cm

□ cm

A . . . . . **B** . . . . . .

C . . . . . **D** . . . . . .

N.B. For demonstration only

A

D

D

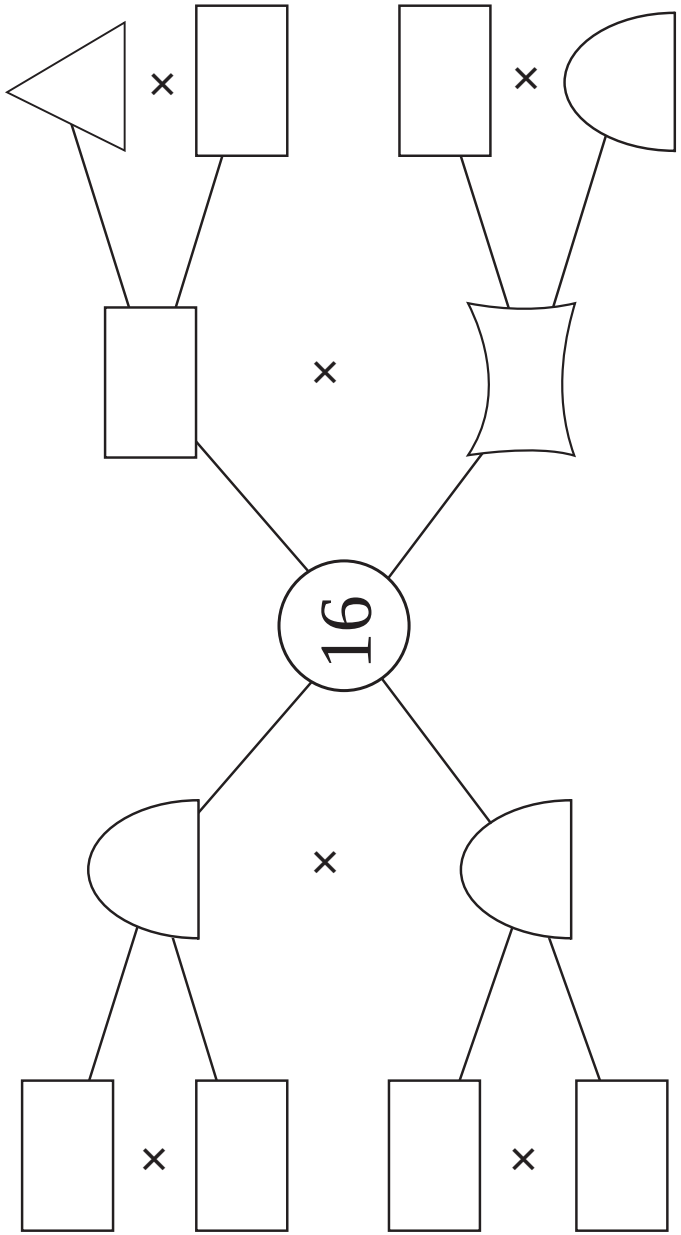
C

B B B B B B

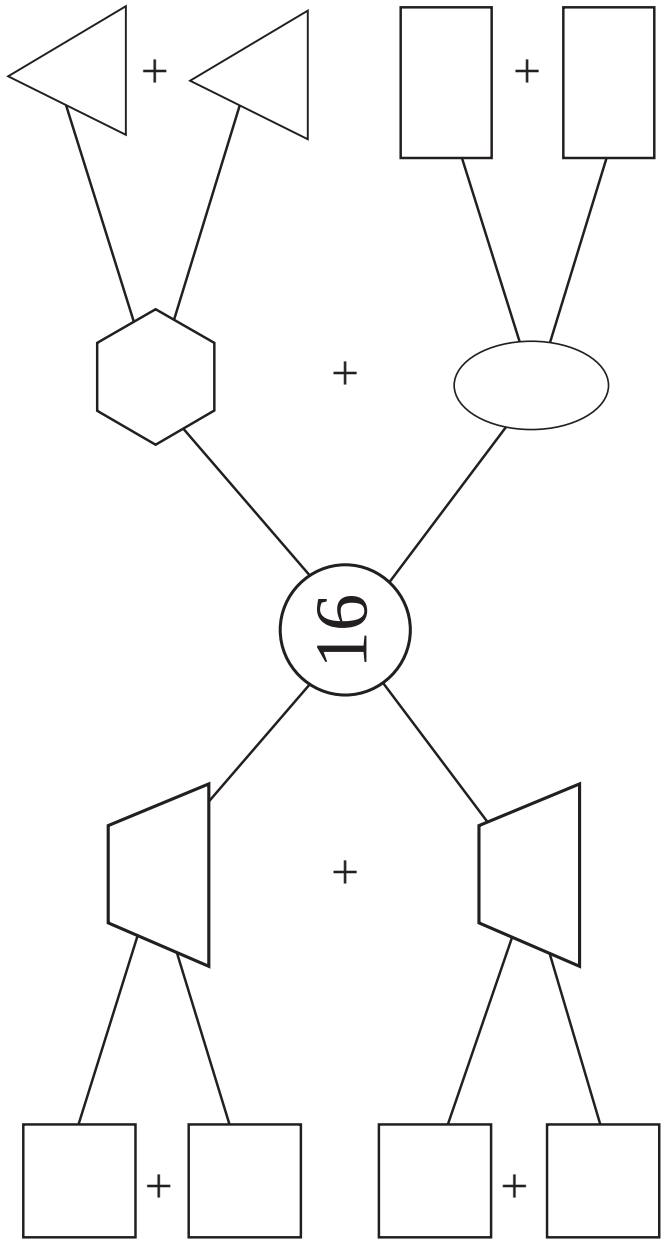
B B B B B B

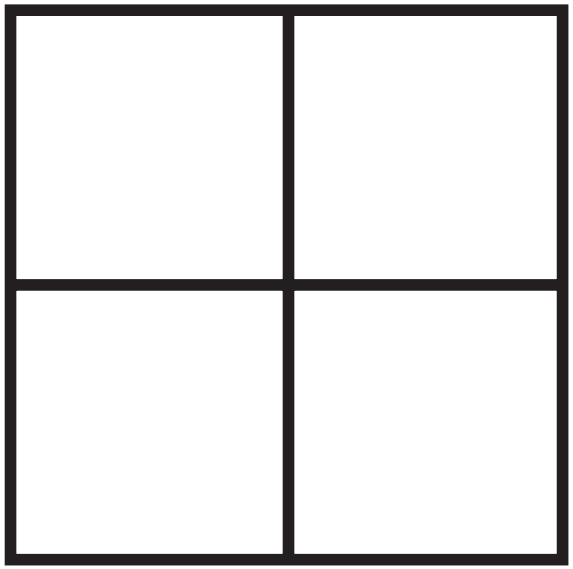
N.B. For demonstration only

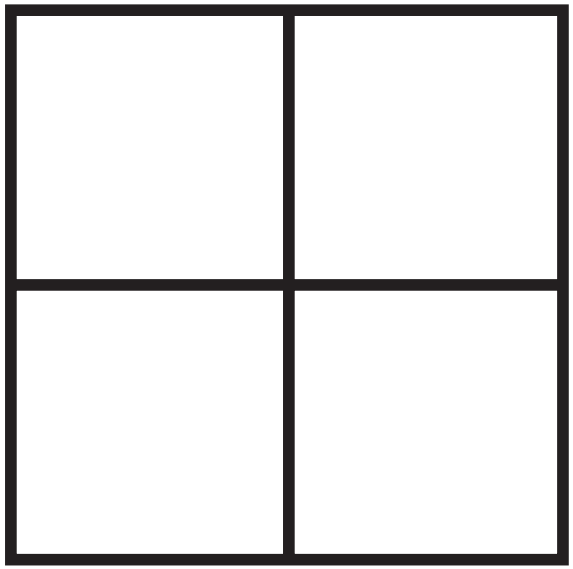
a)

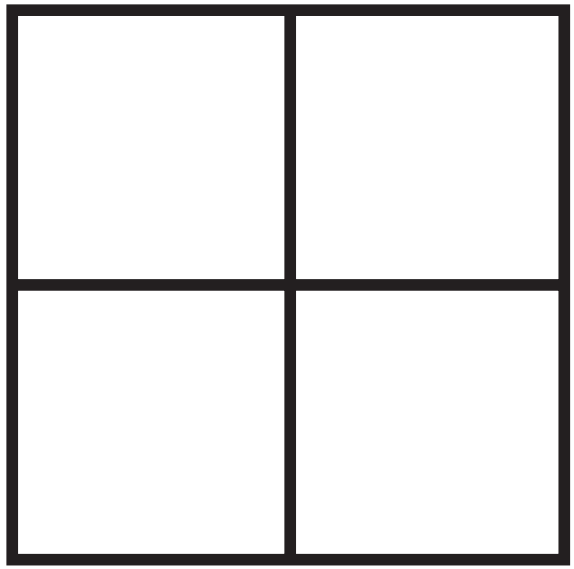


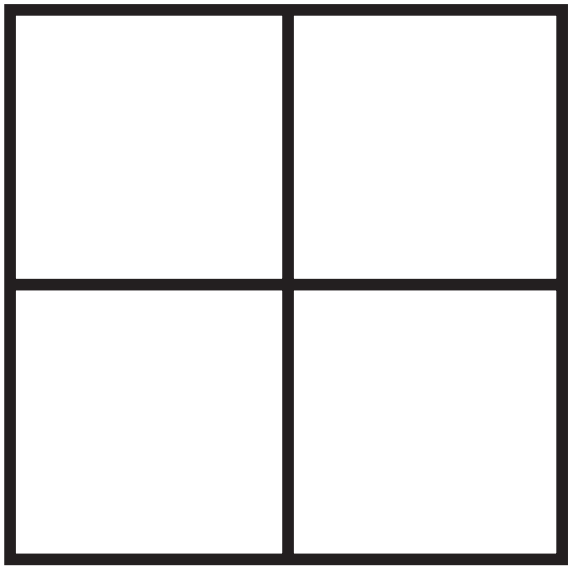
b)

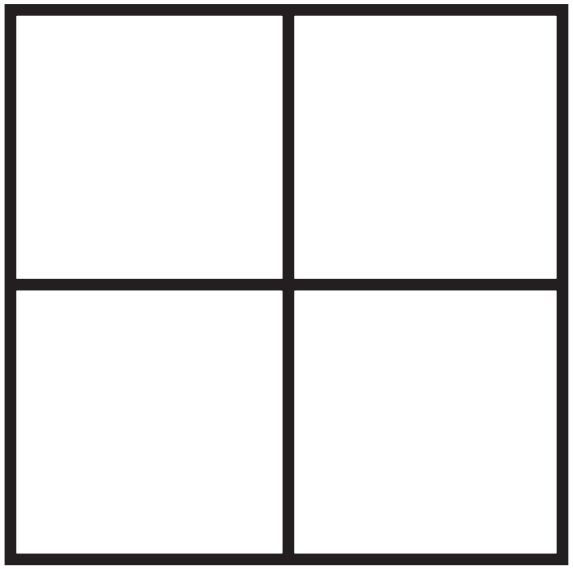


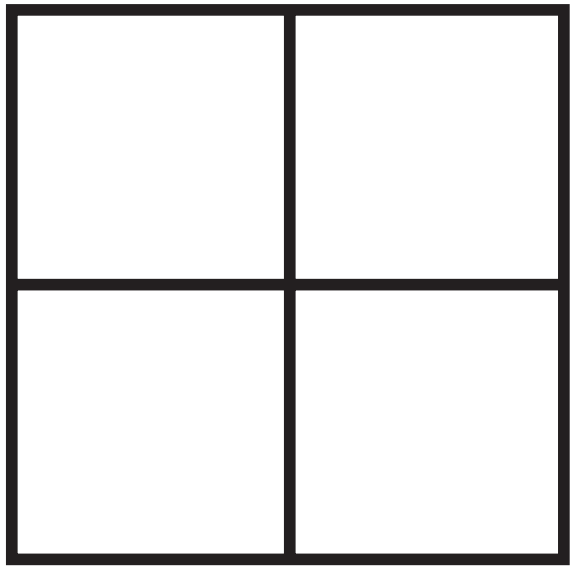












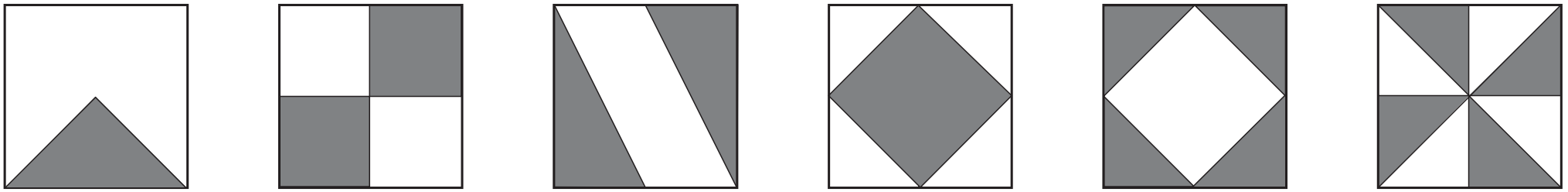
N.B. Two sets needed

$7 + 7$	10×0	2×3	$16 \div 2$
2×3	3×3	$28 \div 4$	$26 - 17$
7×4	$5 + 16$	7×5	$50 - 3$
$35 + 35$	$45 - 5$	$45 + 5$	$28 \div 2$

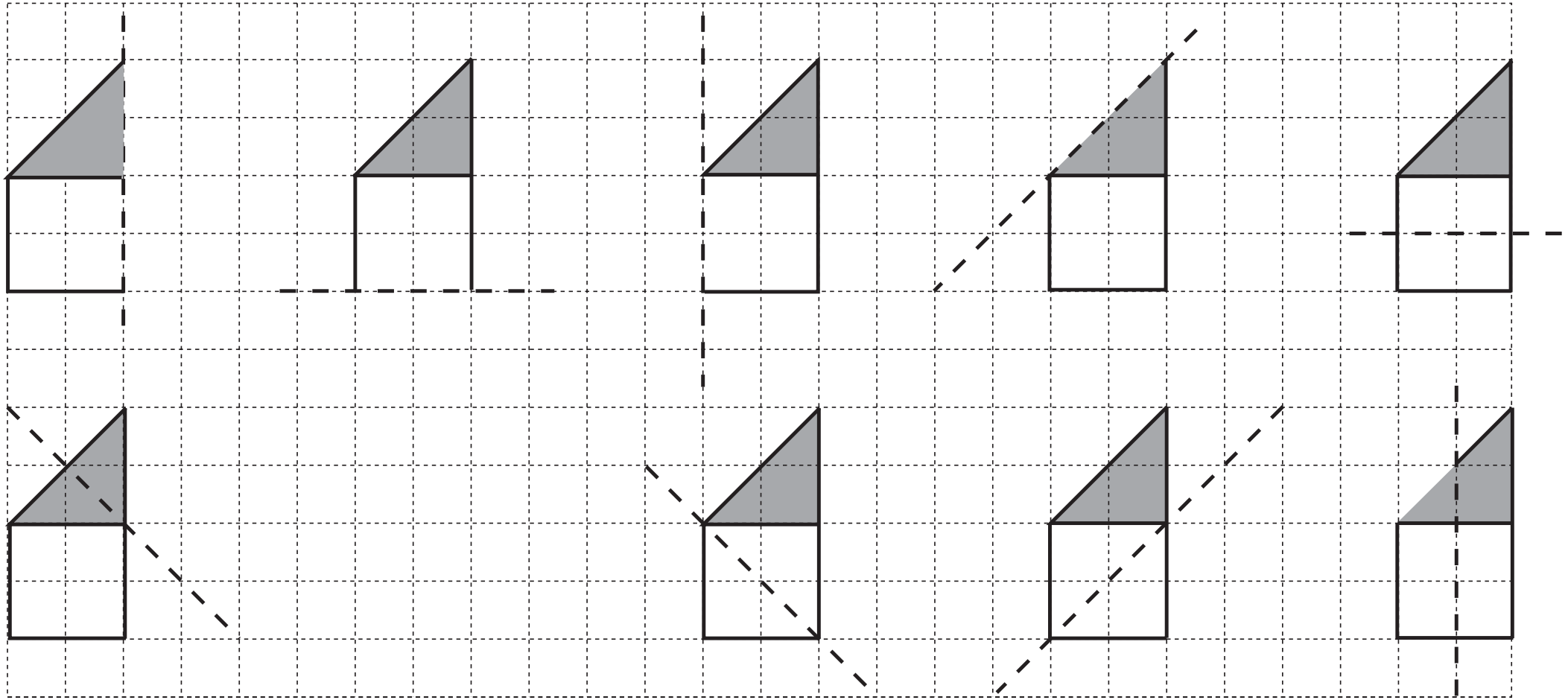
a) 

b) 

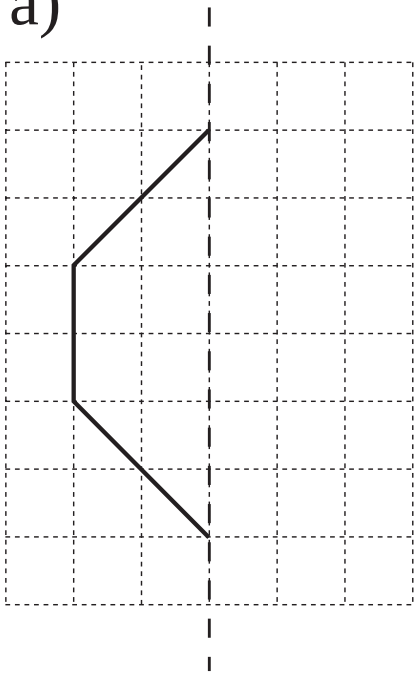
LP 93/5



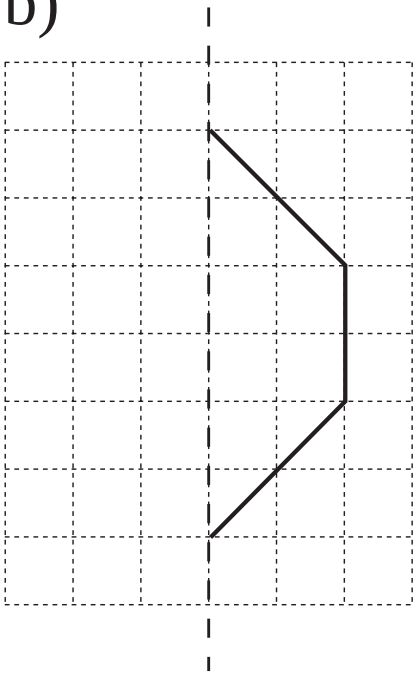
LP 94/5



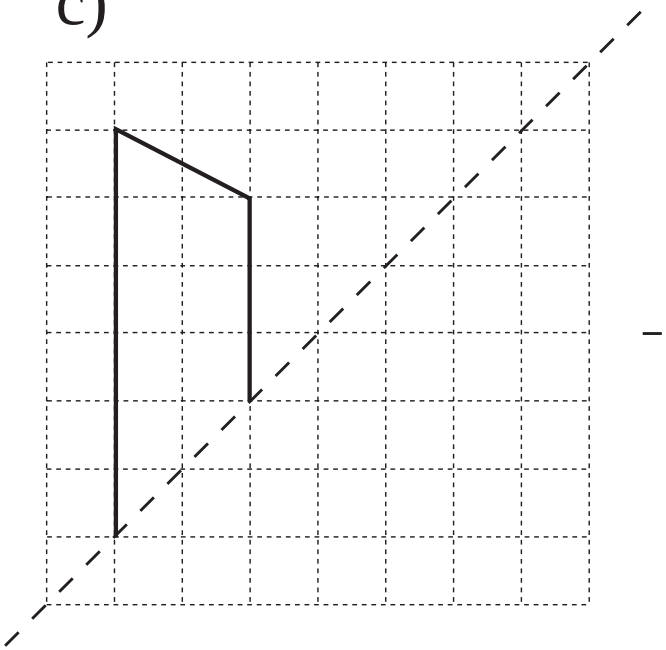
a)



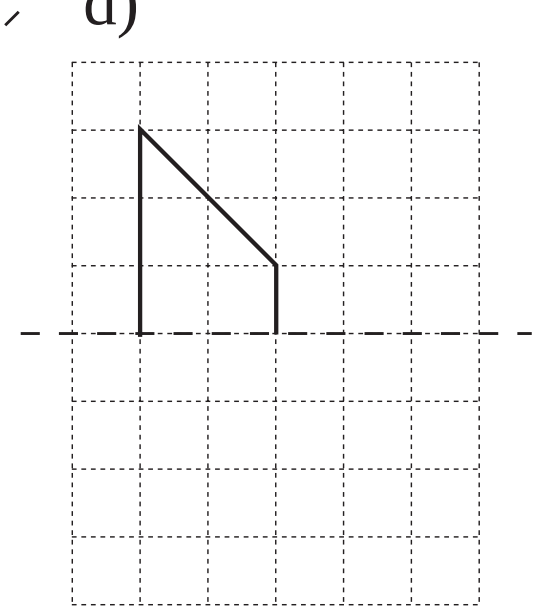
b)



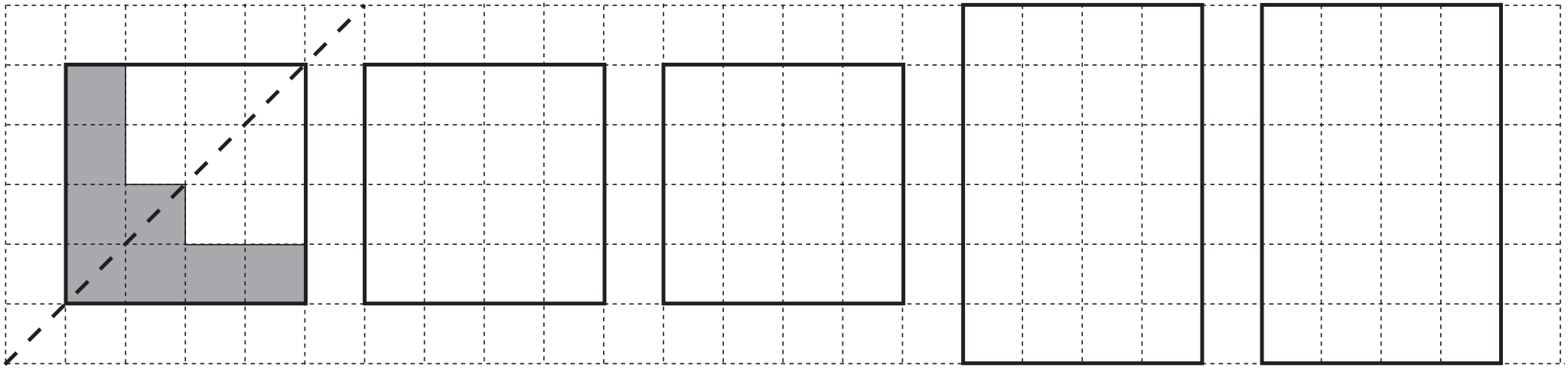
c)



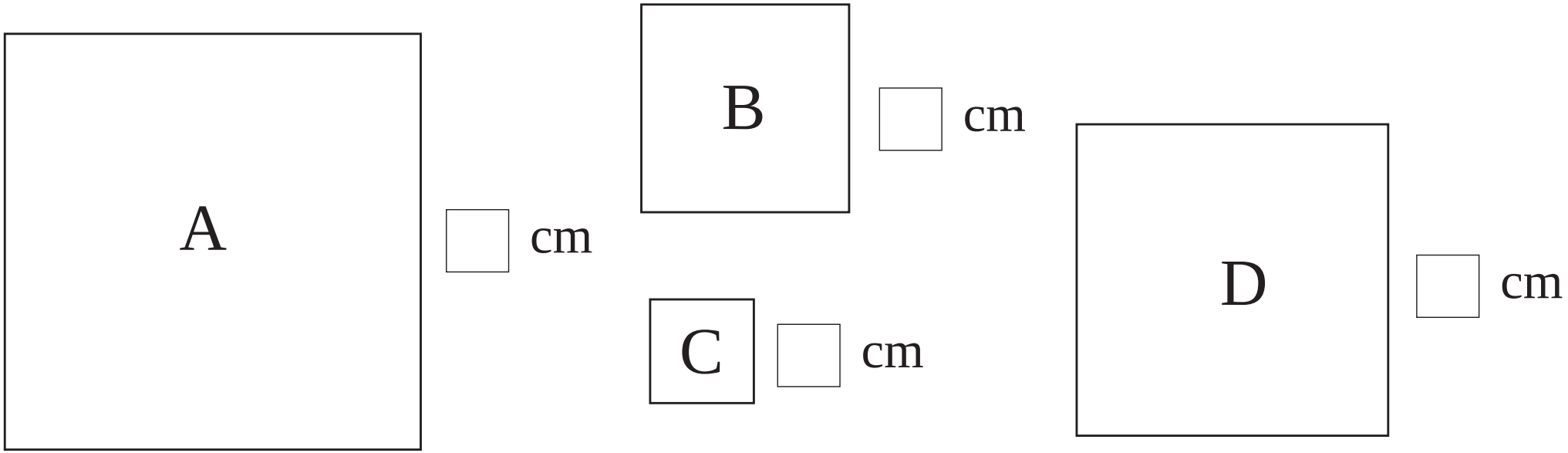
d)



LP 93/6

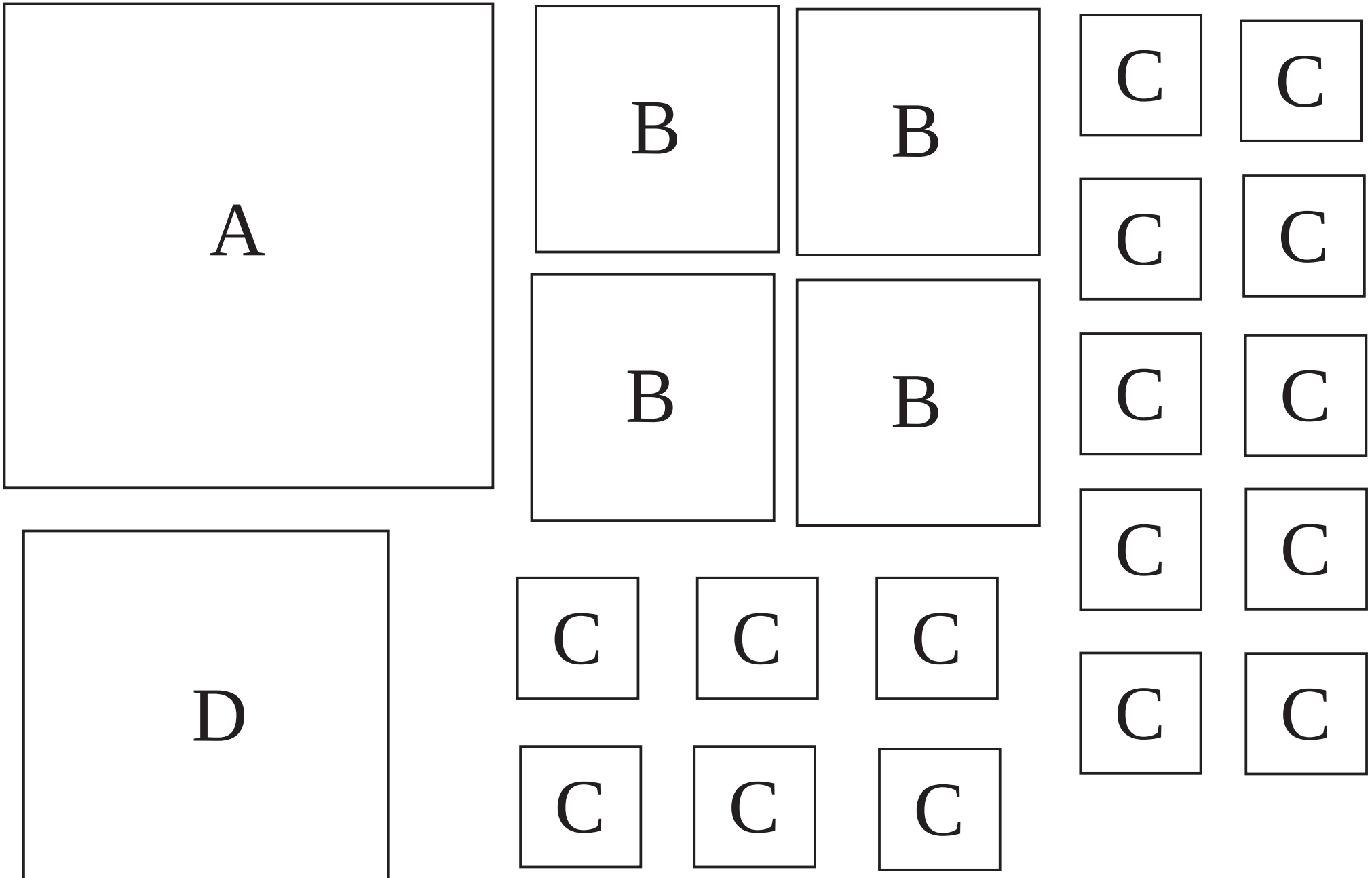


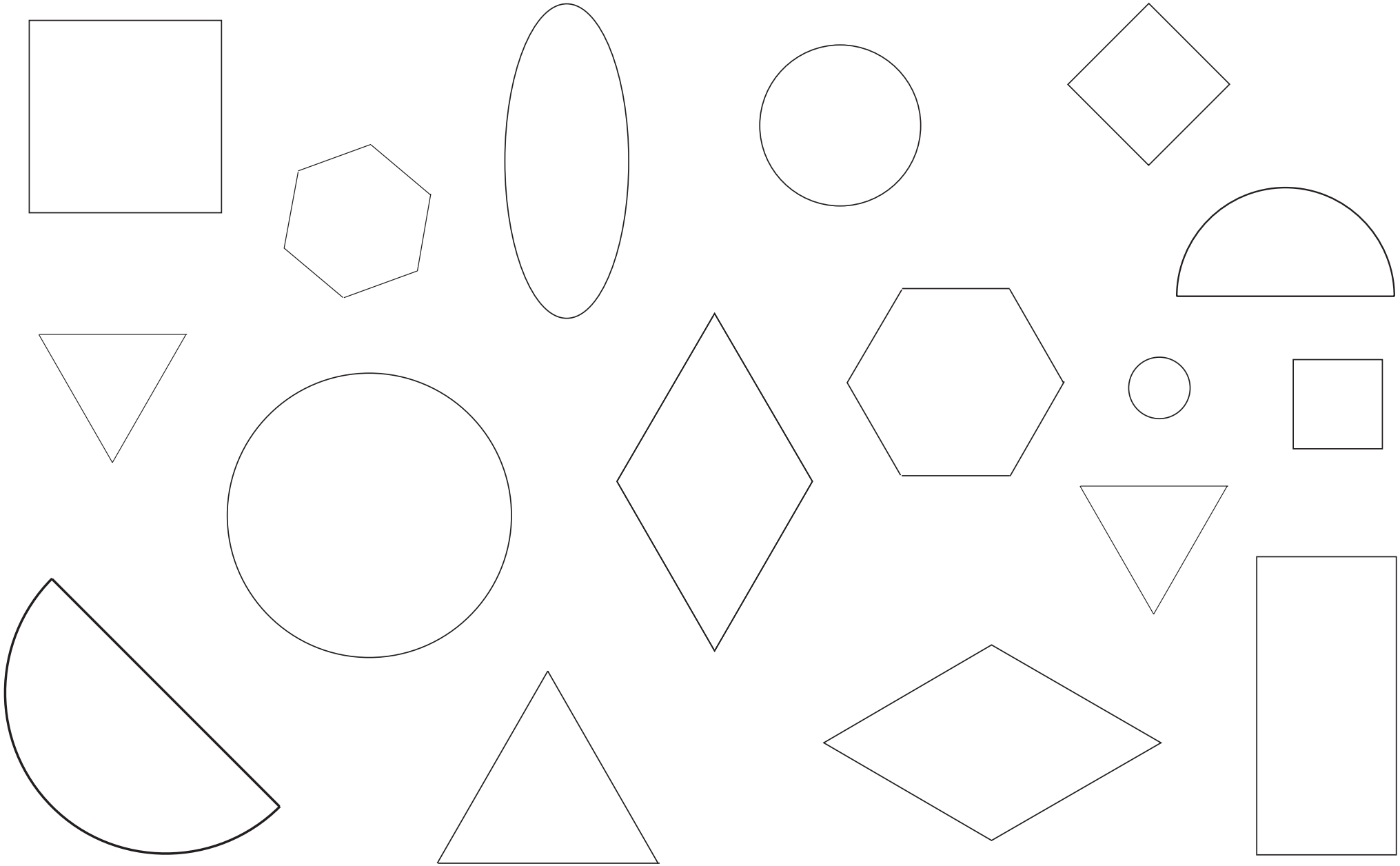
LP 94/5

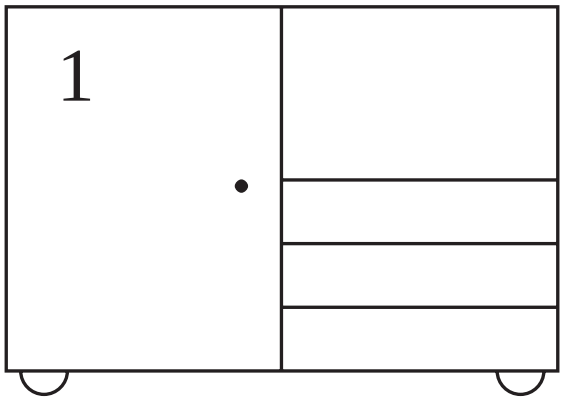


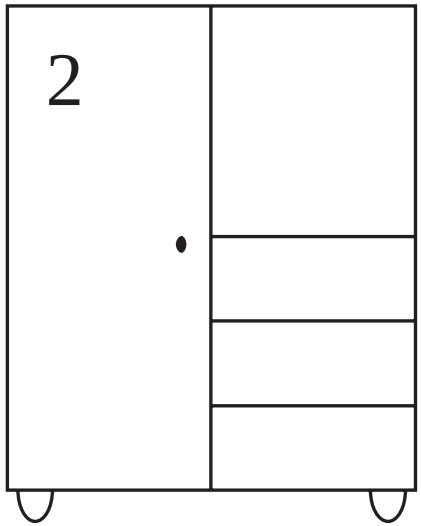
A . . . . . **B** . . . . . .

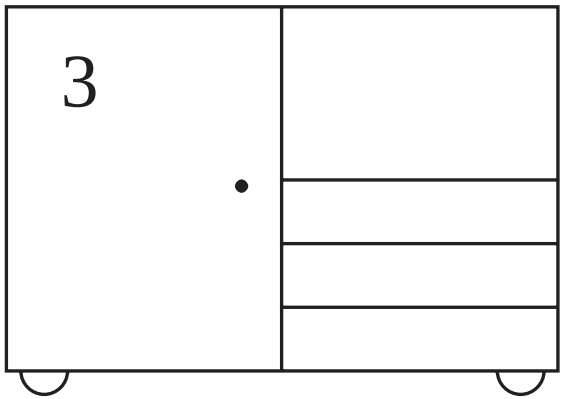
C . . . . . **D** . . . . . .

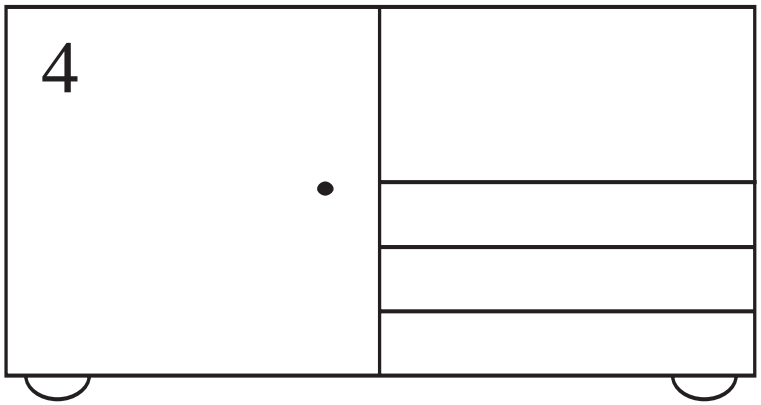


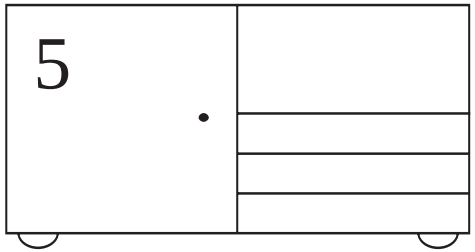


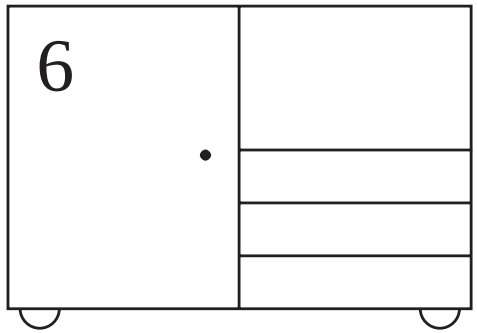


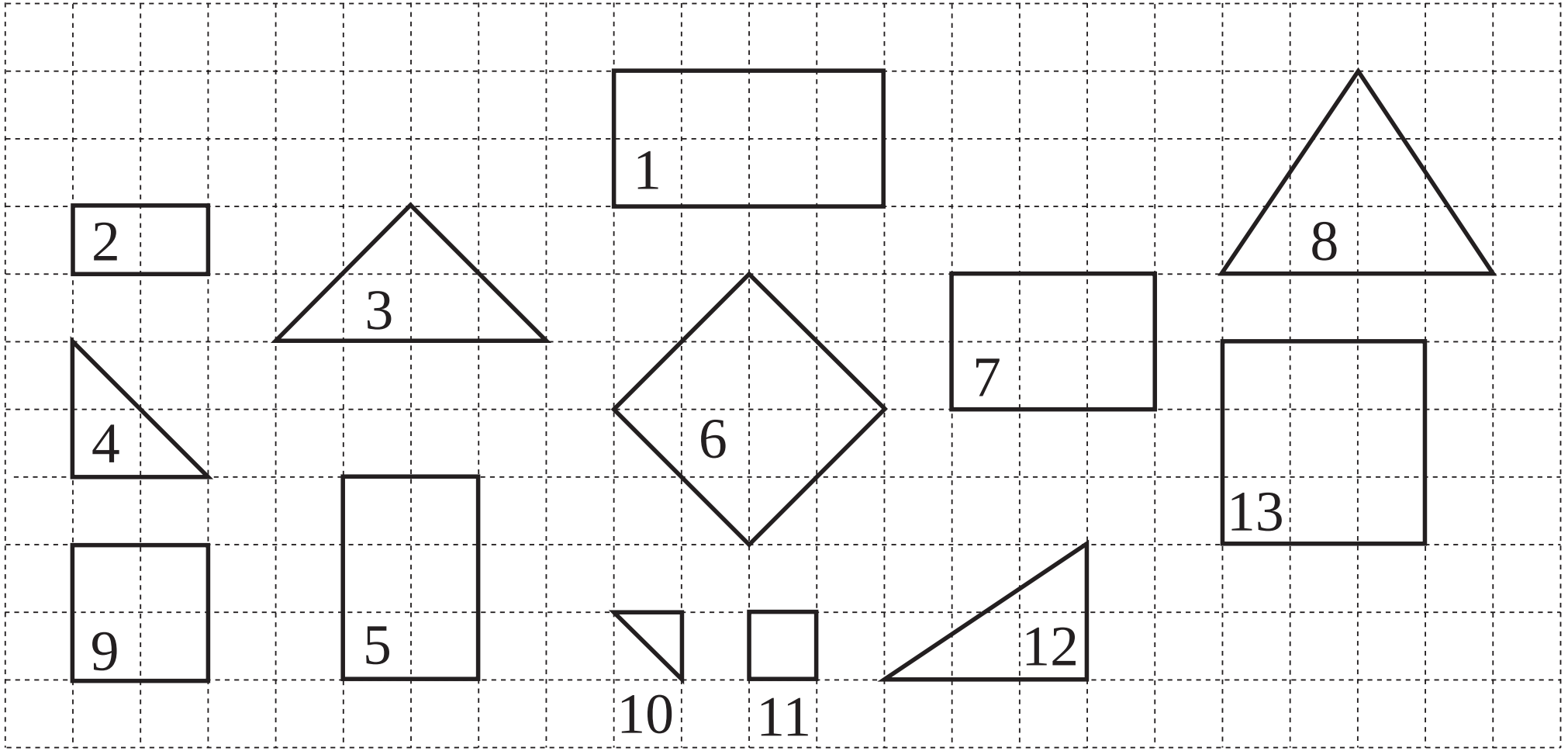


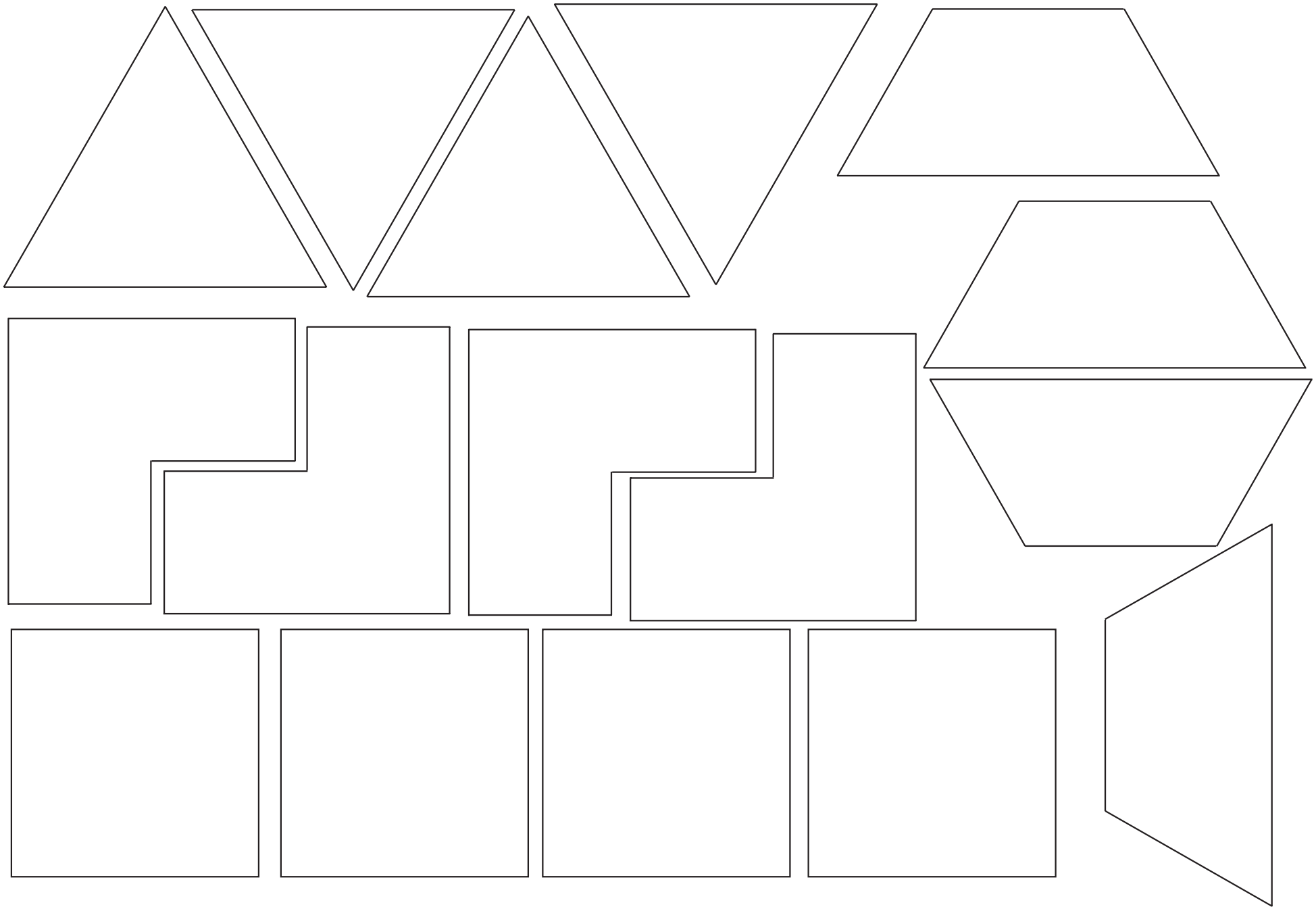


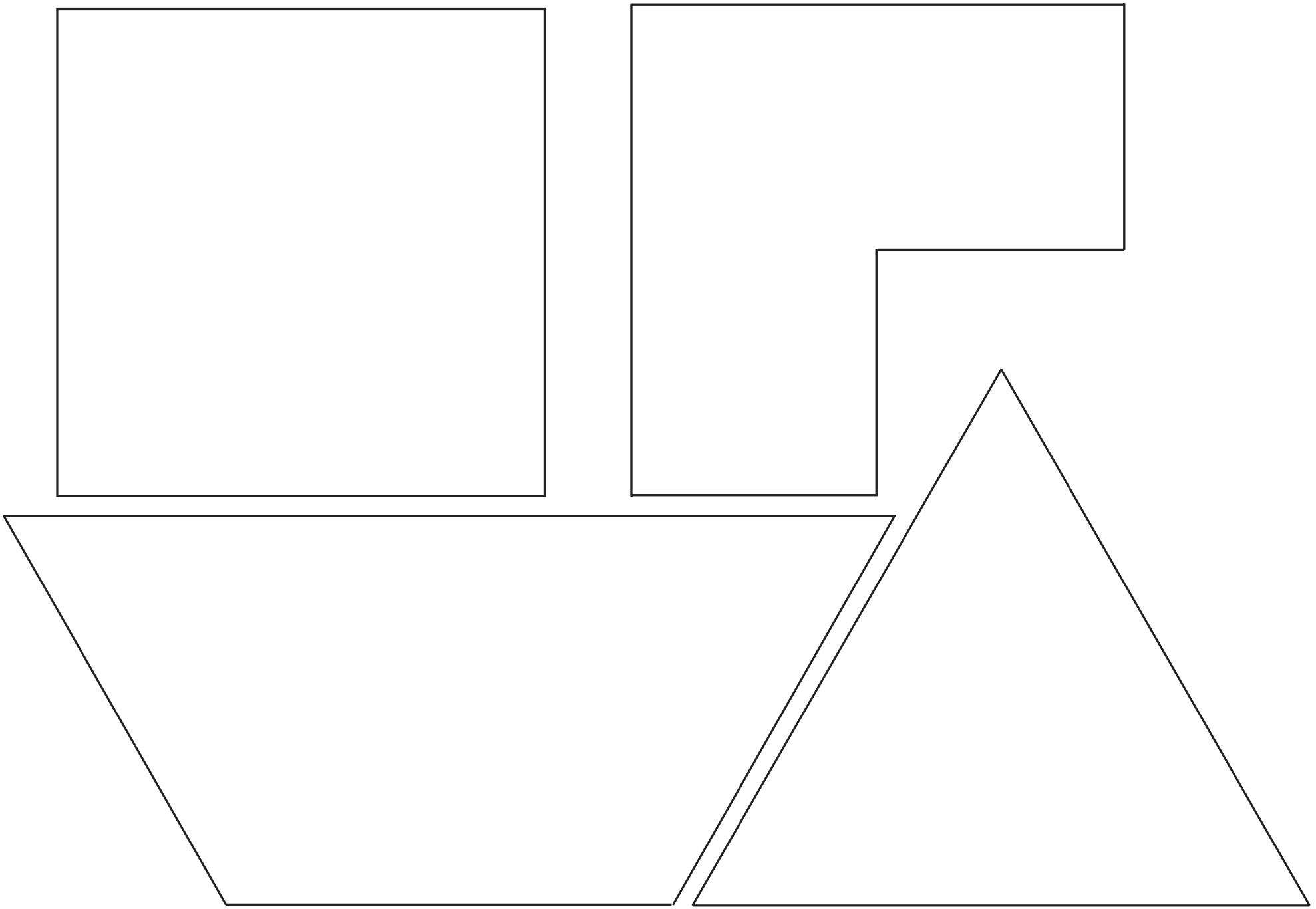




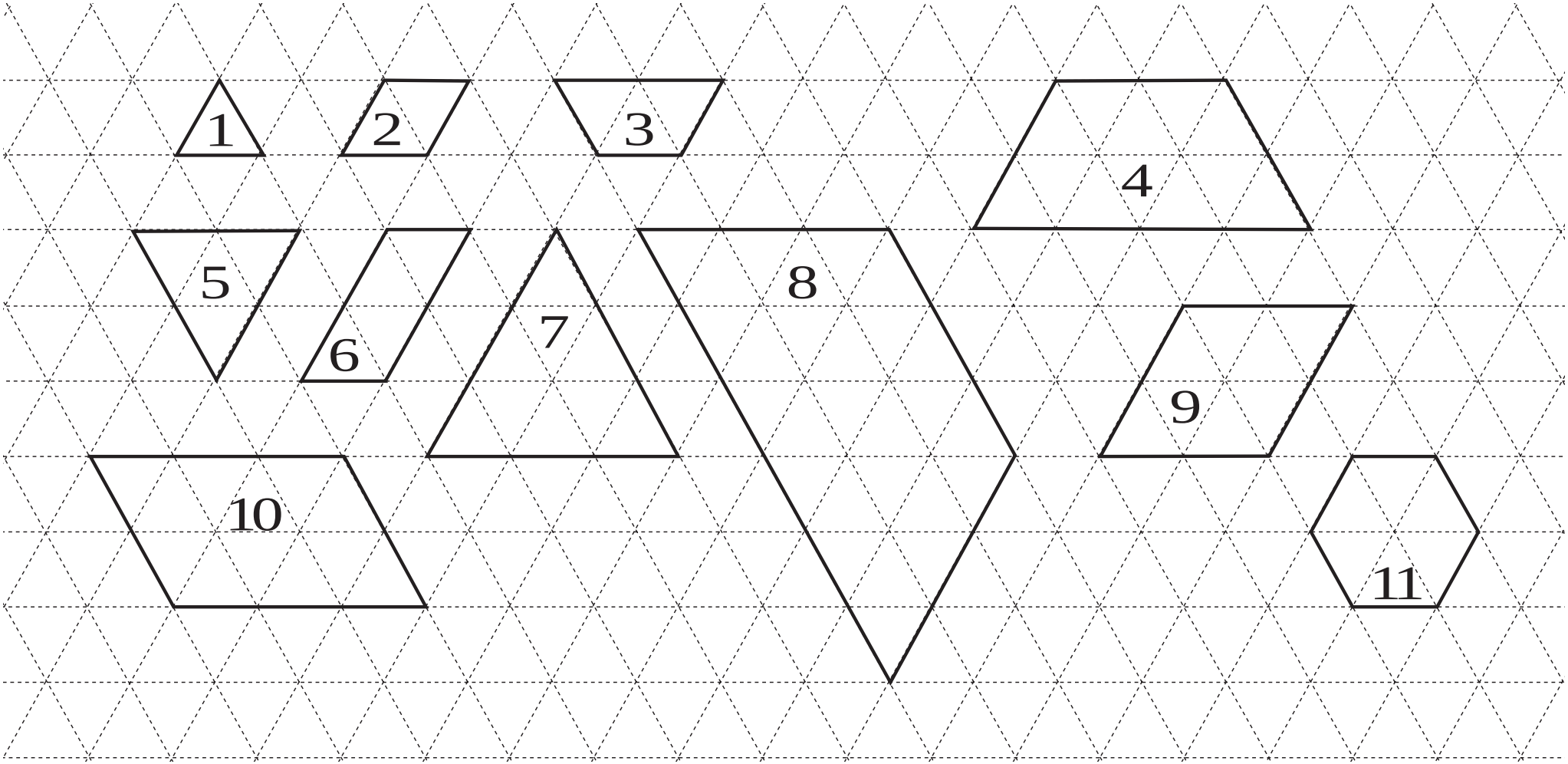




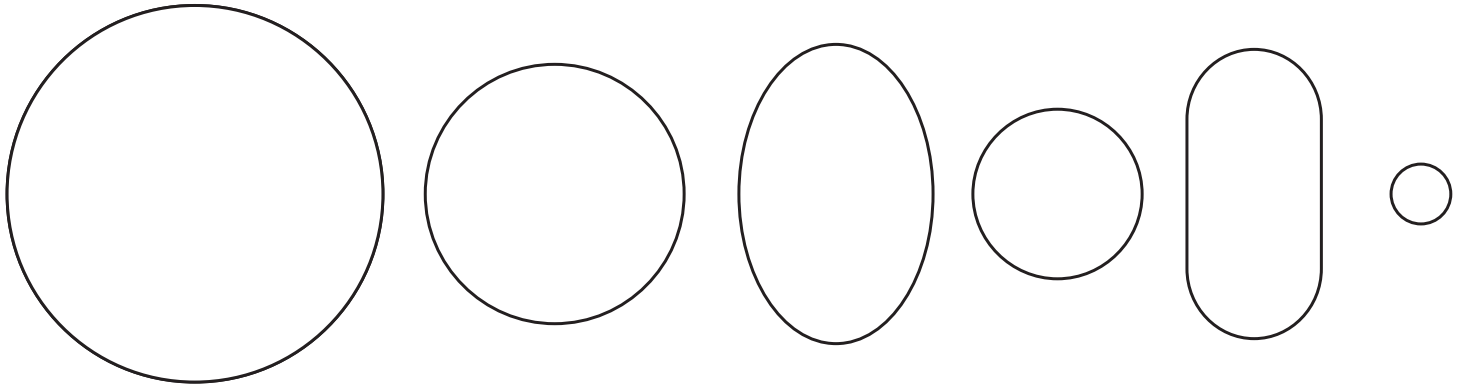


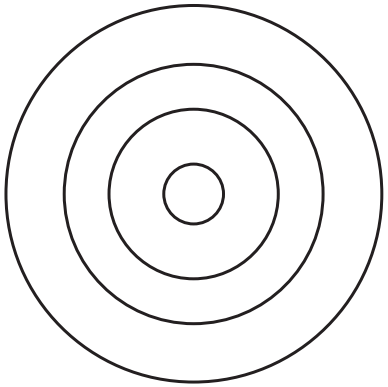


Teacher's sheet – make 4 copies

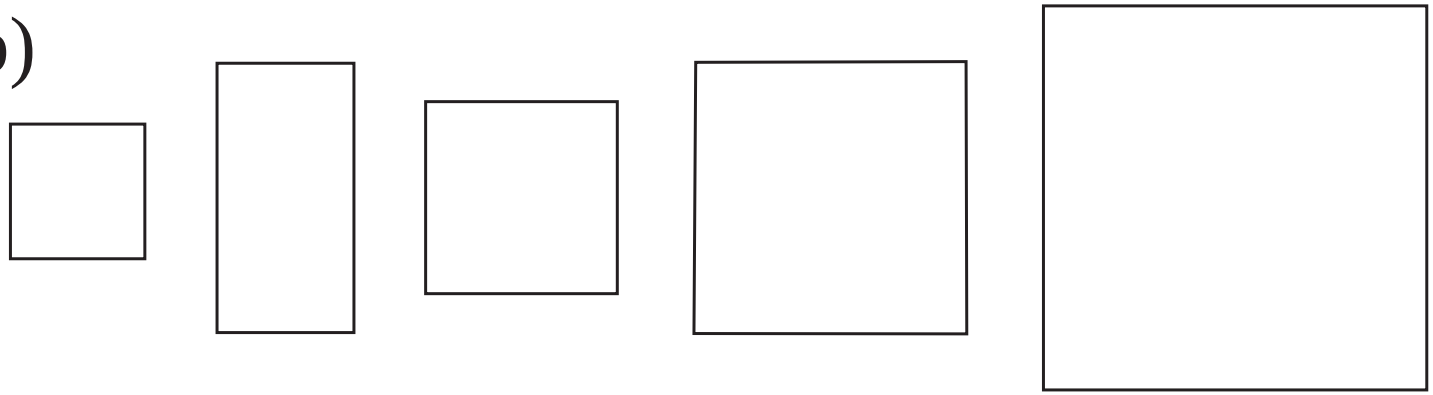


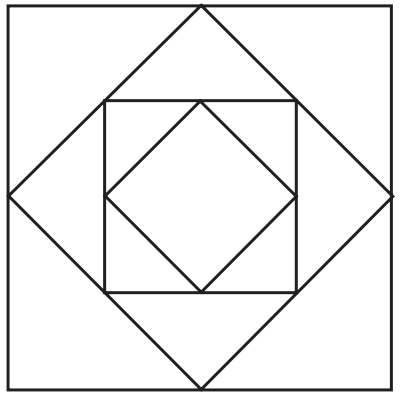
a)



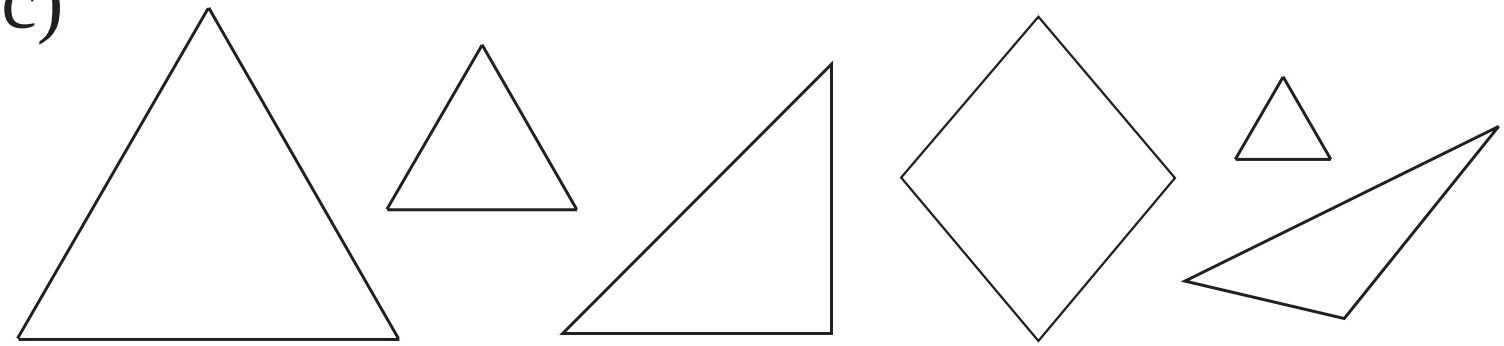


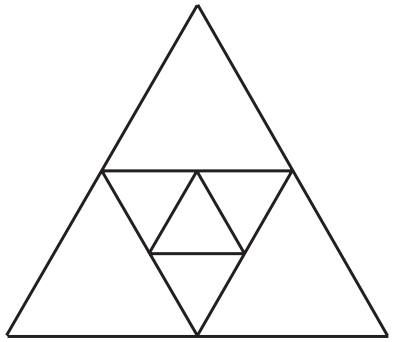
b)

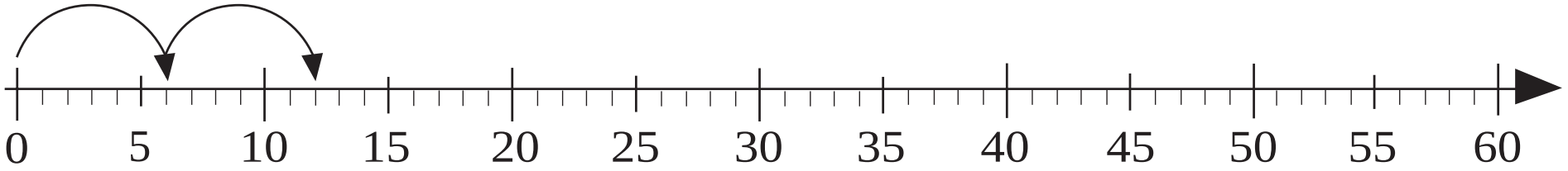


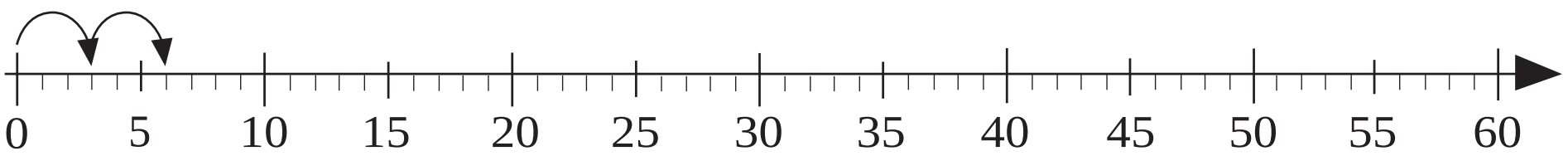


c)







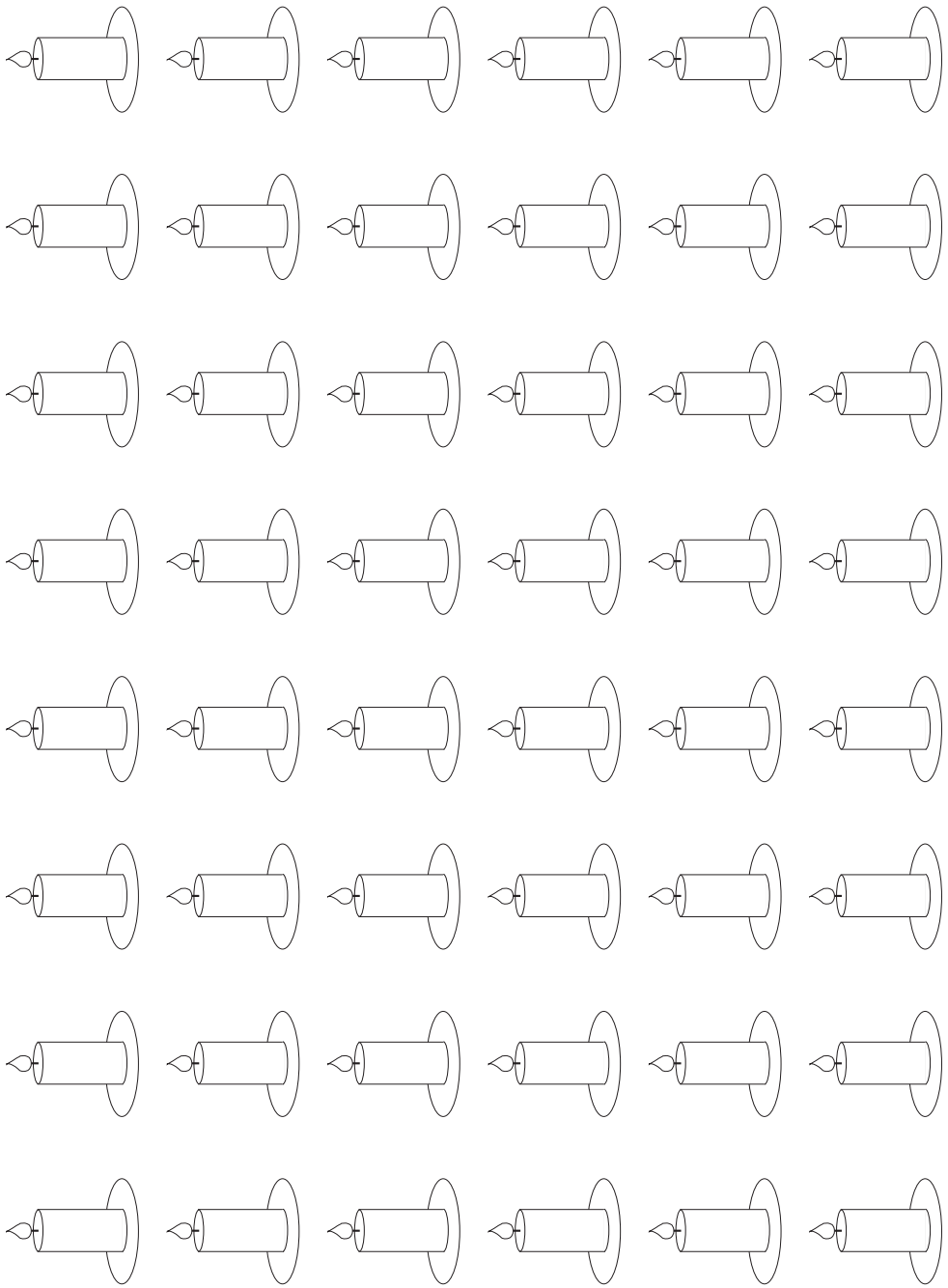


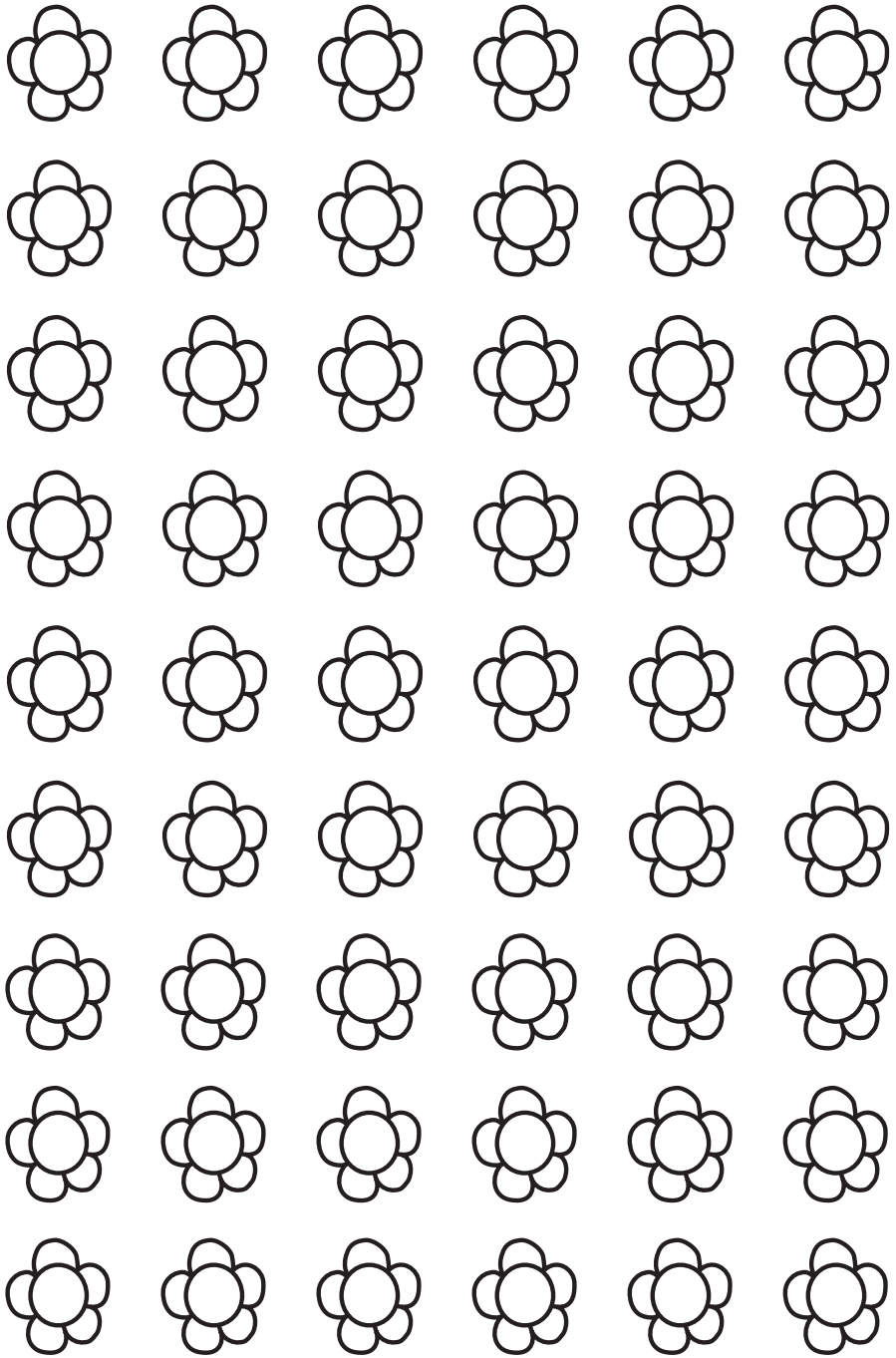
Number of jumps	0	1	2	3	4	5	6	7	8	9	10
											
											

Number of 	0	1	2	3	4	5	6	7	8	9	10
Feelers											
Legs											

L = ... F = ... B = ...

L = ... F = ... B = ...





x	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
0			0	0	0	0					0
1			2	3	4	5					10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6			12	18	24	30					60
7			14	21	28	35					70
8			16	24	32	40					80
9			18	27	36	45					90
10	0	10	20	30	40	50	60	70	80	90	100

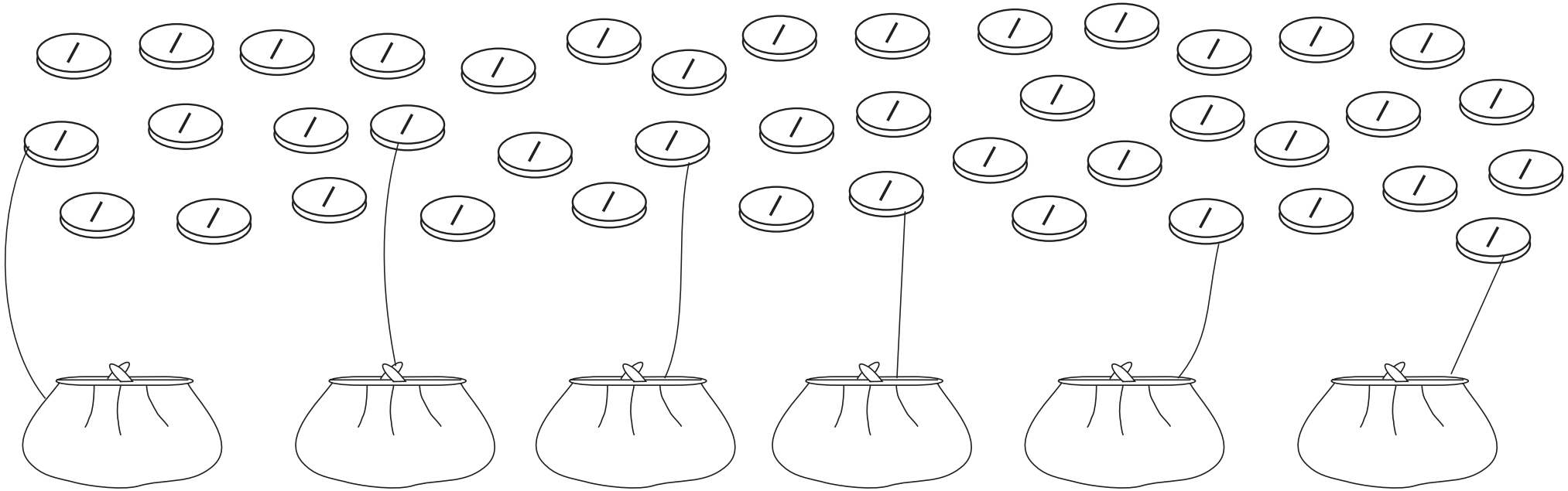
Number of

	0	2	4	6	8	10	9	7	5	3	1						
Feelers	0	4										20					14
Wings	0	8											36			24	
Legs	0	12												18	12		

L = ... F = ... W = ...

L = ... F = ... W = ...

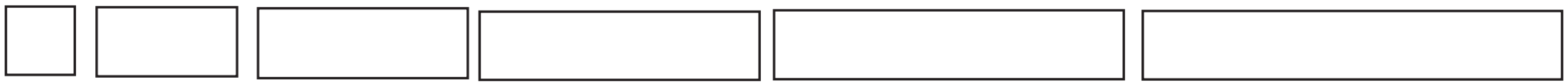
D = ... D = ... D = ...



a) 42 p ÷ 6 = ☐ p

b) 6 p is contained in 42 p ☐ times.

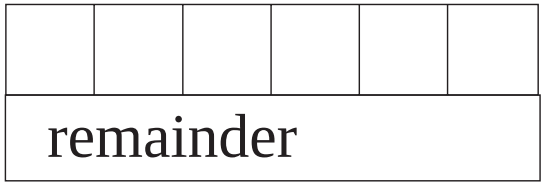
	1	2	4	10	9					
						12				
							9			
								32		
									25	
										42



Colour strips to match colours of Cuisennaire rods

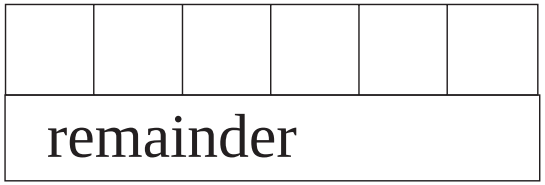
LP 99/2

a) 24 plums



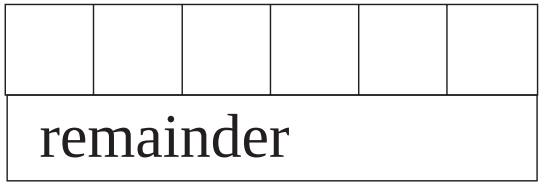
Check

b) 36 plums



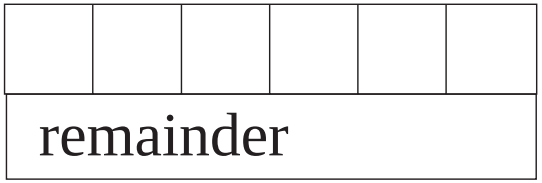
Check

c) 44 plums



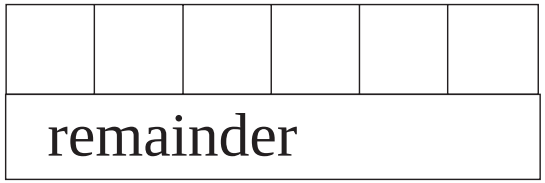
Check

d) 48 plums



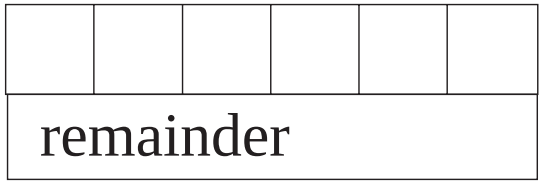
Check

e) 54 plums



Check

f) 29 plums



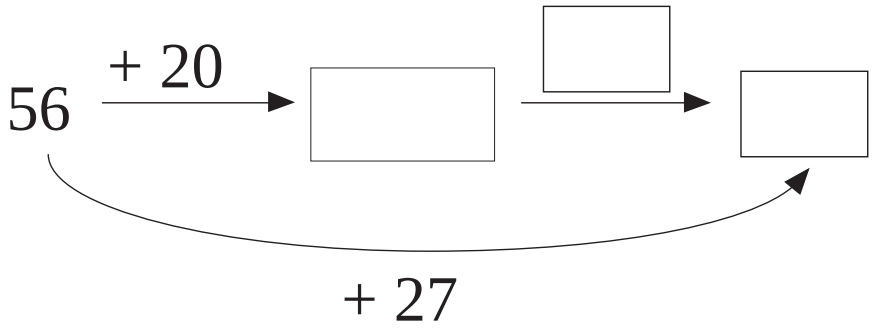
Check

a)

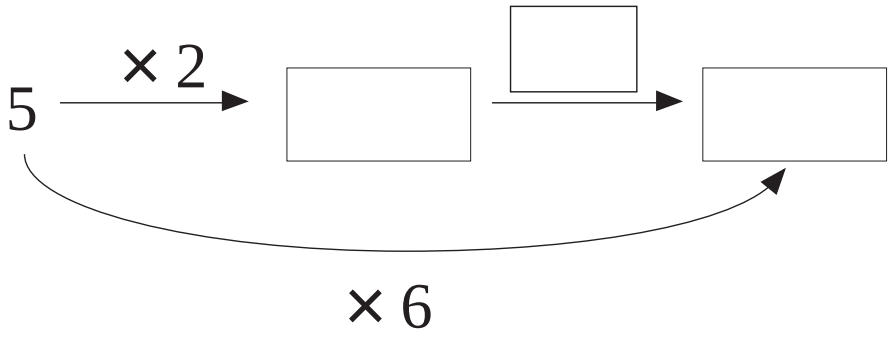
b)

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35
36	37	38	39	40	41
42	43	44	45	46	47
48	49	50	51	52	53
54	55	56	57	58	59
60	61	62	63	64	65

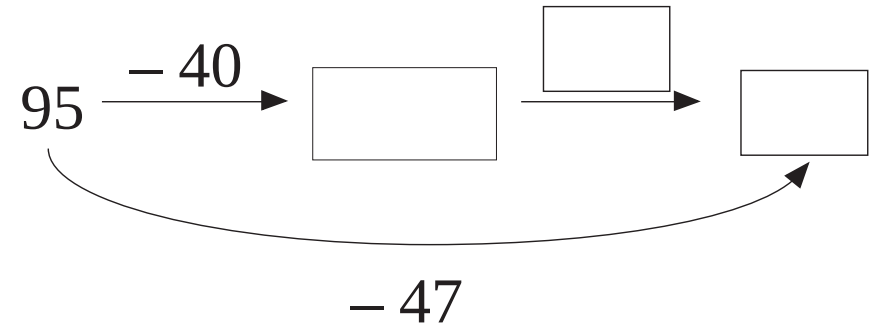
a)



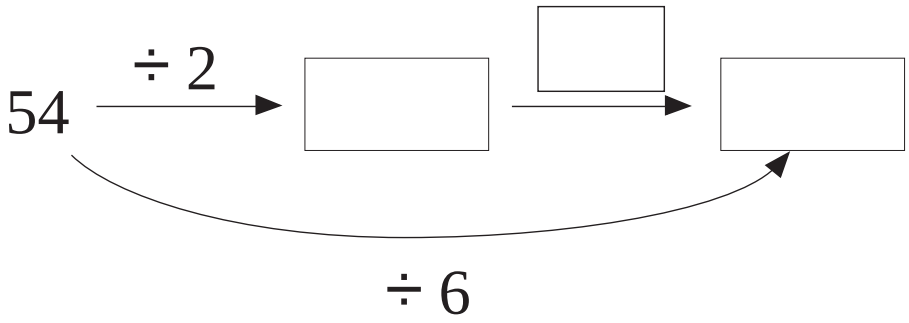
b)



c)



d)



$38 + 20 + 7 =$

$5 \times 4 \div 2 =$

$81 - 20 + 7 =$

$17 + 8 + 40 =$

$6 \times 6 \div 3 =$

$82 - 6 - 20 =$

$5 \times 9 \div 5 =$

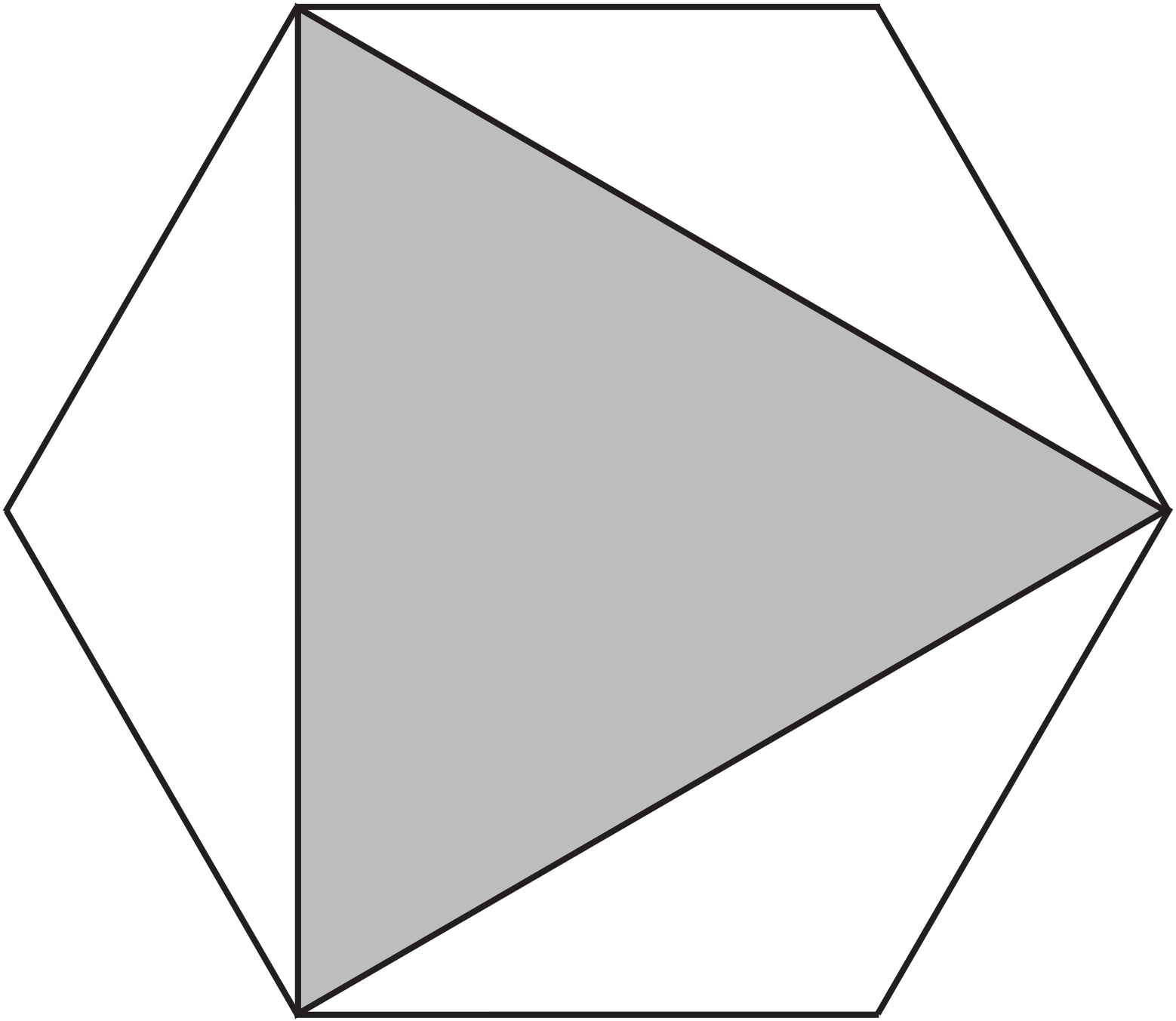
$4 \times 7 \times 2 =$

$75 - 20 + 13 =$

$45 - 27 - 6 =$

$4 \div 4 \times 9 =$

$12 \div 6 \times 5 =$



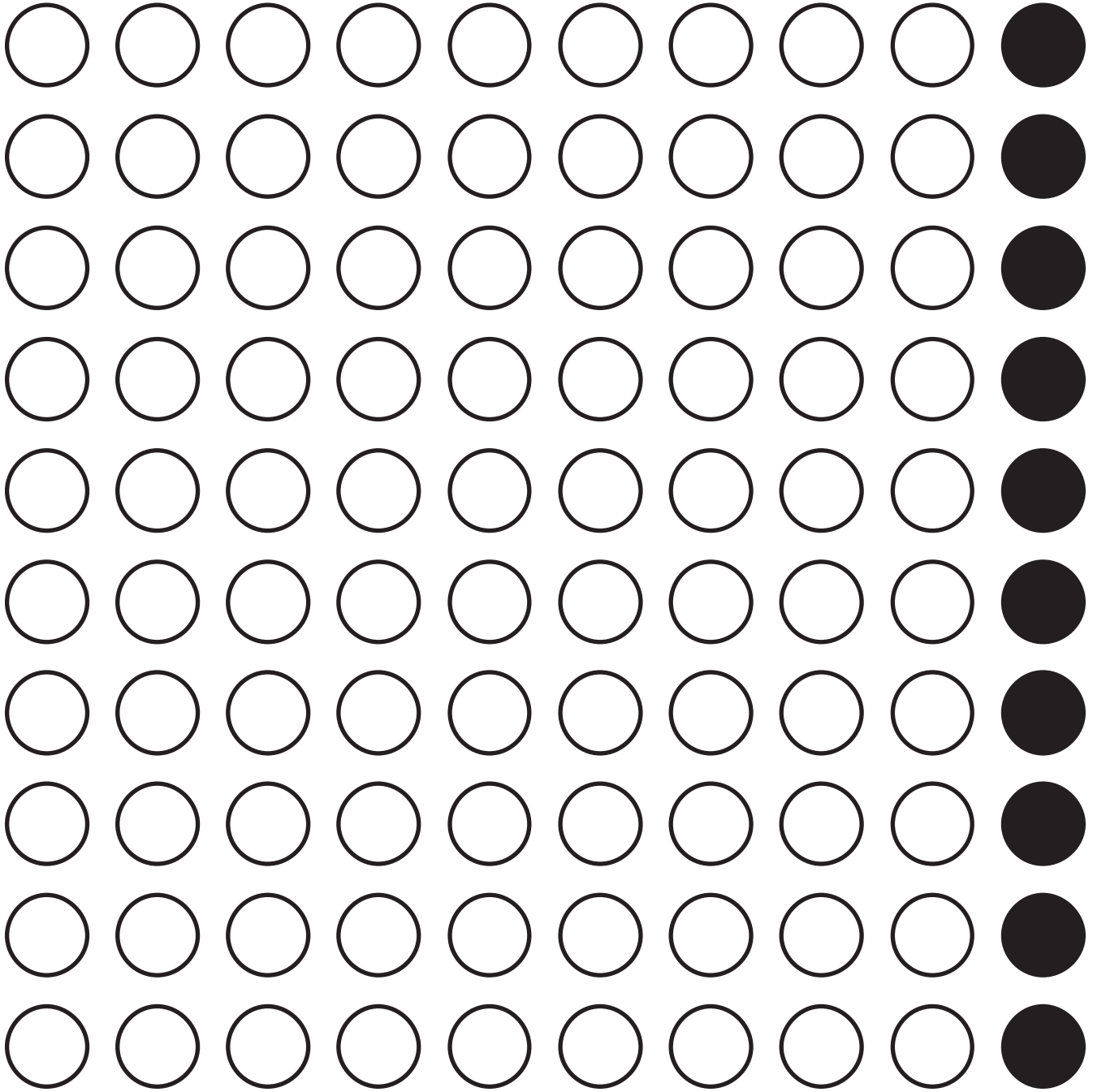
Colour the triangle.

Number of:

 shapes	0	1	2	3	4	5	6	7	8	9	10
sides of  s	0	3									
sides of  s	0	6									
sides altogether	0	9									

D = ... T = ...

H = ... A = ...



Number of

Rows	0	1	2	3	4	5	6	7	8	9	10
Circles	0	10									
●	0	1									
○	0										

○ = ...

C = ...

R = ...

LP 101/6b

Number of:

Blue strips	1	3	7				8		6	
Red strips				6		12		27		
Yellow strips	9				45					90

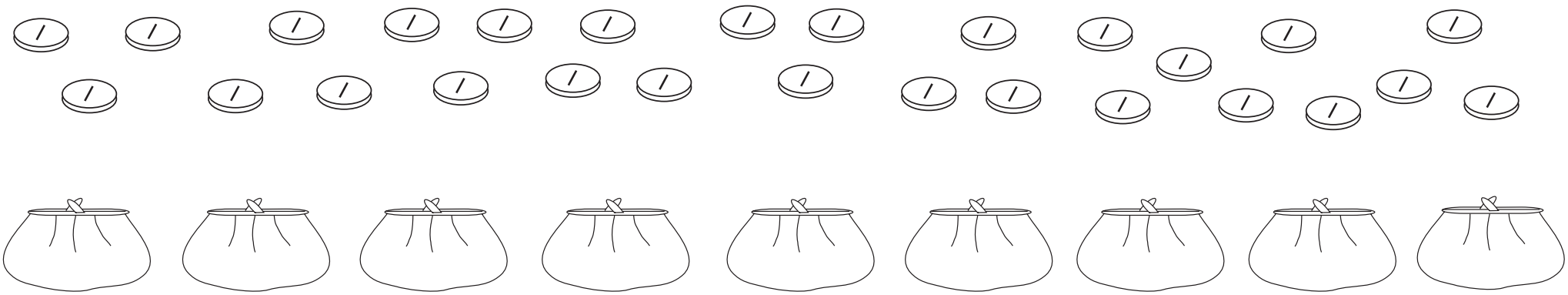
B = ...

R = ...

Y = ...

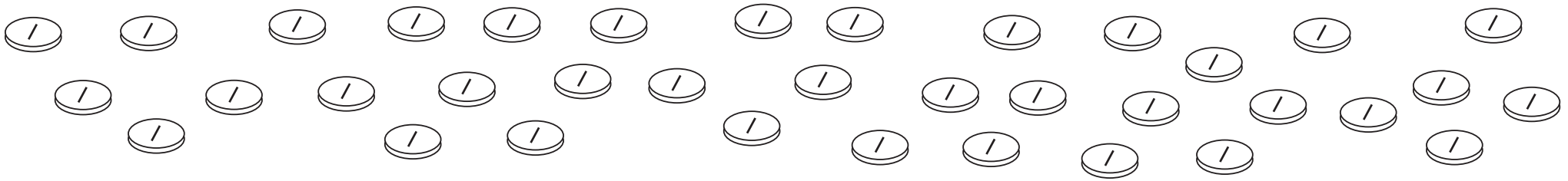
x	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
0			0	0	0	0	0				0
1			2	3	4	5	6				10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7			14	21	28	35	42				70
8			16	24	32	40	48				80
9			18	27	36	45	54				90
10	0	10	20	30	40	50	60	70	80	90	100

a)



$27\text{ p} \div 9 = \square\text{ p}$

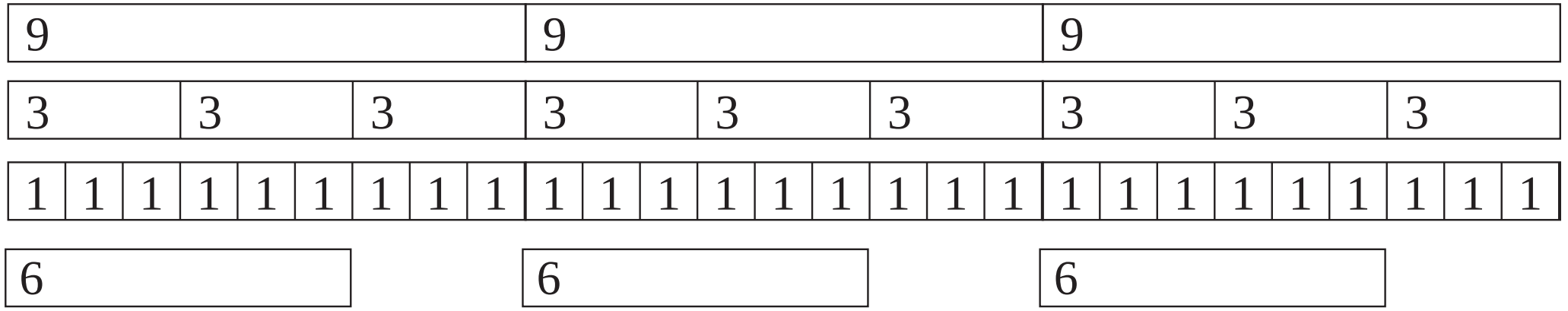
b)



$36\text{ p} \div 9\text{ p} = \square$

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

1									
3									
6									
9	**1**	**4**	**7**	**9**	**6**	**3**	**2**	**5**	**8**



Colour the strips. Copy as required.

a) $25 + 6 \times 3 =$ ☐☐

$49 - 3 \times 7 =$ ☐☐

$36 - 24 \div 3 =$ ☐☐

$81 \div 9 + 18 =$ ☐☐

$92 - 36 \div 6 =$ ☐☐

b) $4 \times 5 + 9 \times 7 + 16 =$ ☐☐

$45 \div 9 + 2 \times 4 - 13 =$ ☐

$71 - 2 \times 13 + 6 \times 6 =$ ☐☐

$72 \div 8 + 9 \times 4 - 22 =$ ☐☐

$50 - 5 \times 10 + 5 \times 9 =$ ☐☐

a)

b)

c)

a) $46 + 18 + 24 =$ ☐☐

$63 + 45 - 15 =$ ☐☐

$31 - 18 + 27 =$ ☐☐

$73 - 32 - 23 =$ ☐☐

b) $7 \times 3 \times 3 =$ ☐☐

$25 \times 2 \div 5 =$ ☐☐

$6 \times 9 \div 3 =$ ☐☐

$90 \div 9 \div 5 =$ ☐☐

$5 \times 10 - 5 =$

$10 \times 9 - 1 \times 9 =$

$4 \times 7 + 4 \times 2 =$

$5 \times 8 + 5 =$

$9 \times 2 + 9 \times 6 =$

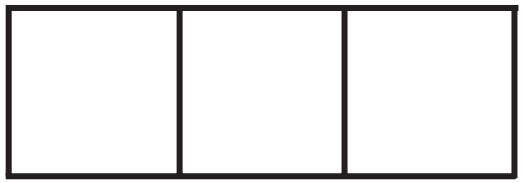
$10 \times 8 - 8 =$

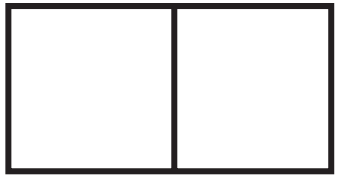
$3 \times 9 + 2 \times 9 =$

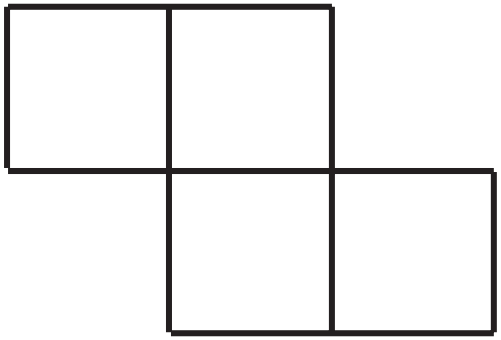
$6 \times 9 - 9 =$

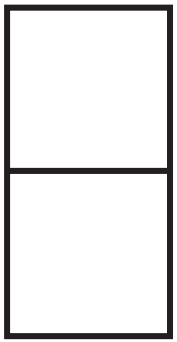
$4 \times 9 + 4 \times 9 =$

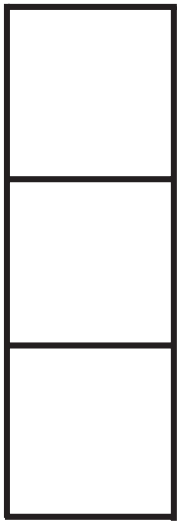
2	5	7	4	3	3	9	3
2	9	3	8	7	6	5	2
7	0	1	9	0	8	9	6
6	5	2	3	7	2	6	5
6	8	9	2	3	5	4	9

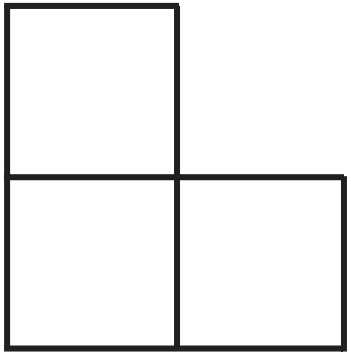


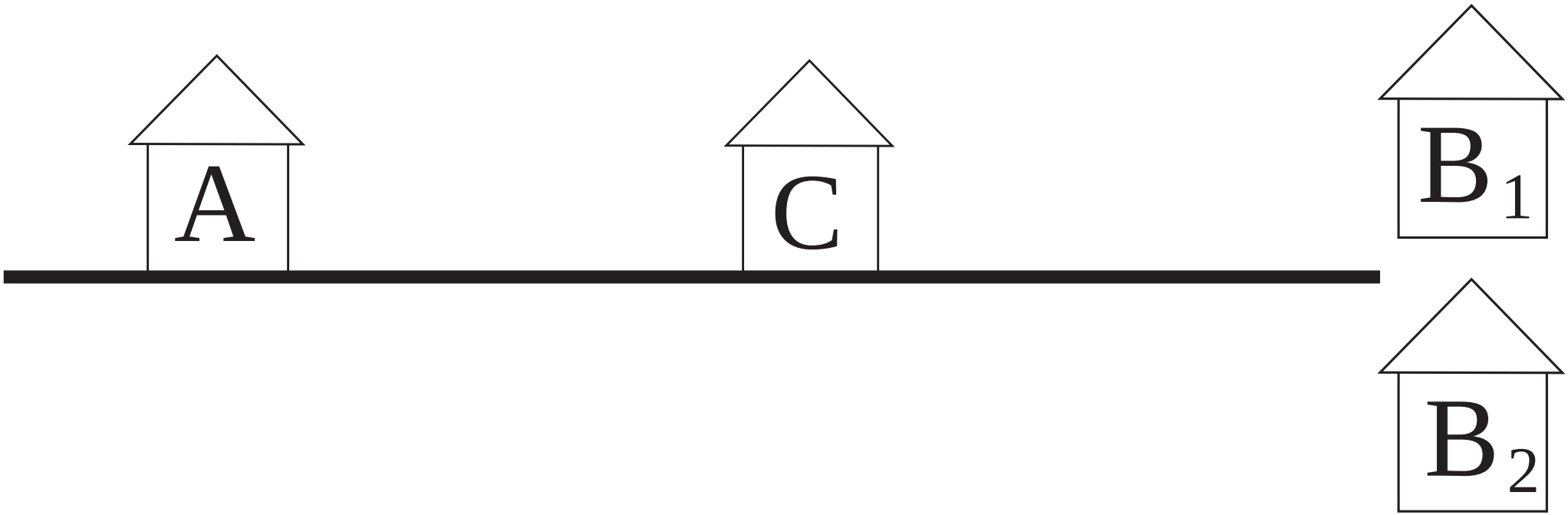




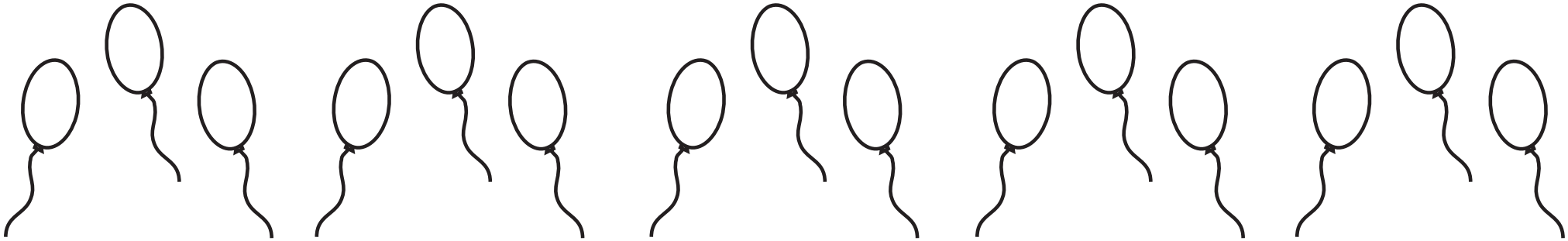








LP 105/6



LP 107/6

$$47 + (25 + 8) =$$

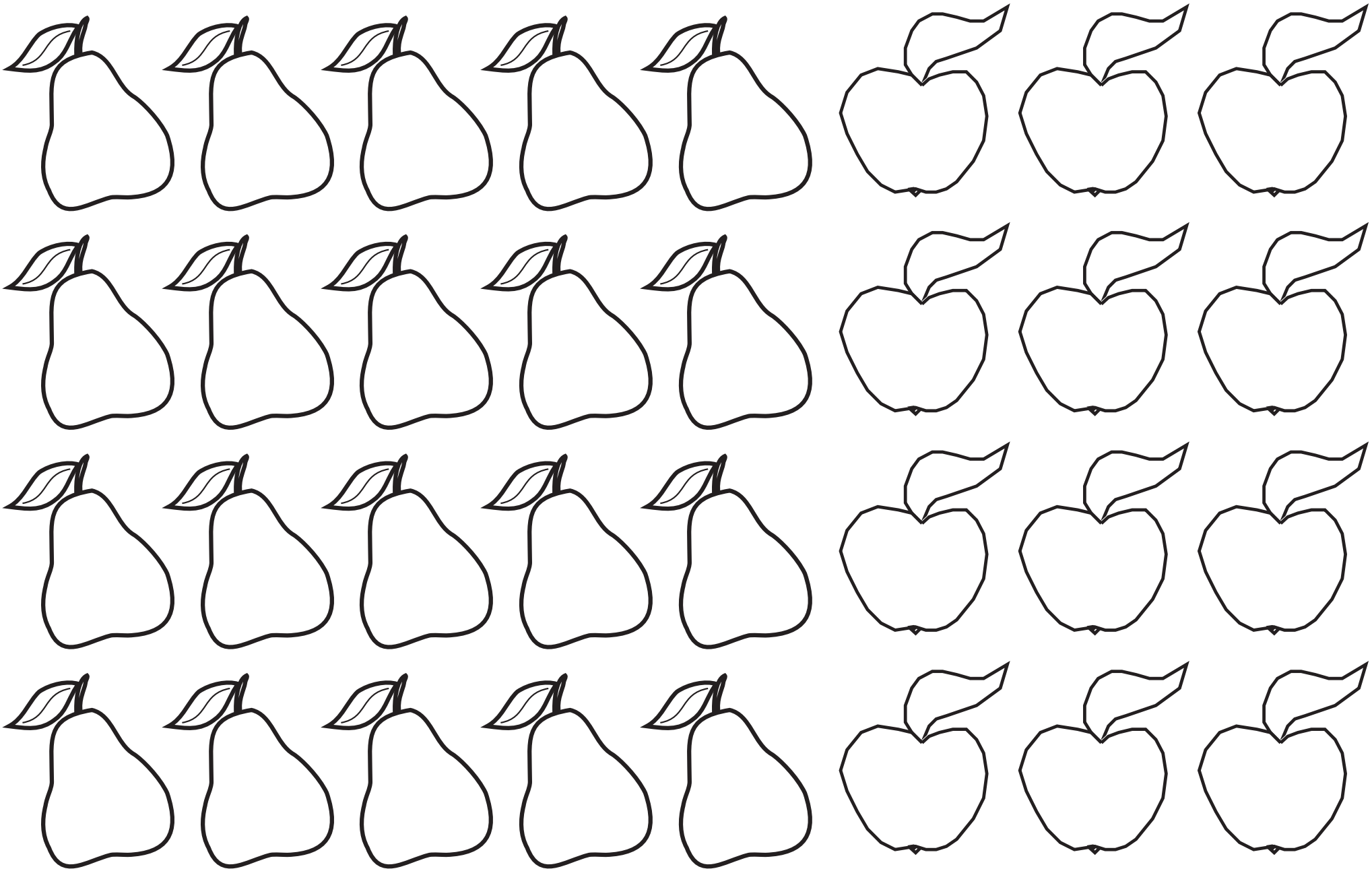
$$47 - (25 - 8) =$$

$$47 - (25 + 8) =$$

$$47 + 25 - 8 =$$

$$47 - 25 - 8 =$$

$$47 - 25 + 8 =$$



a) Number of rows: $\square$

Pieces of fruit in each row: $(\square + \square)$

Pieces of fruit in 4 rows:

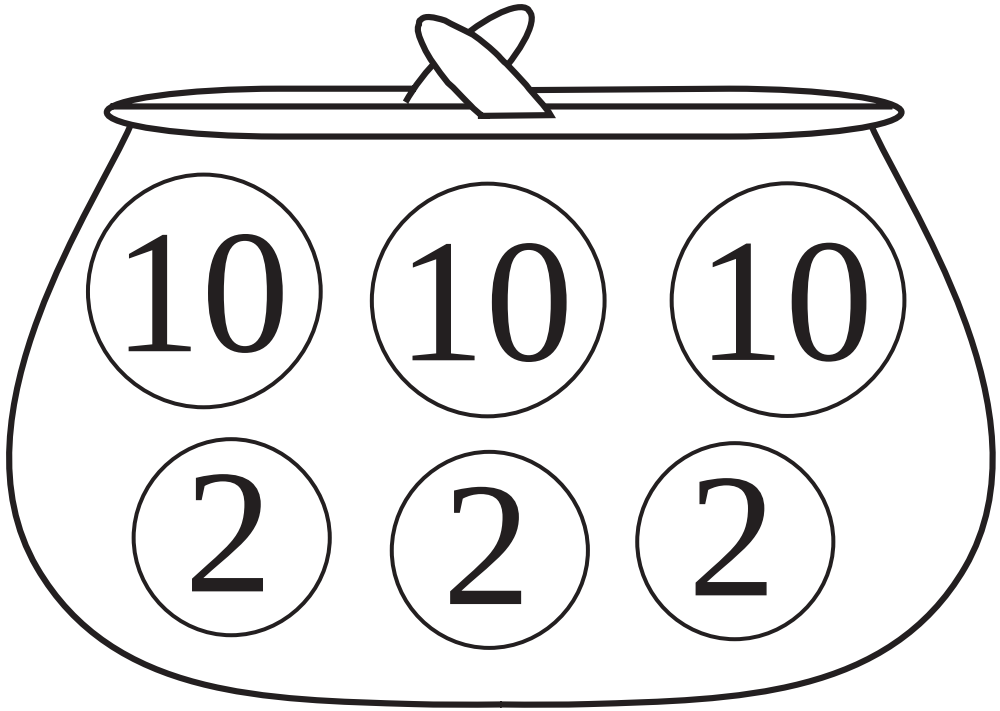
$$4 \times (\square + \square) = 4 \times \square = \square\square$$

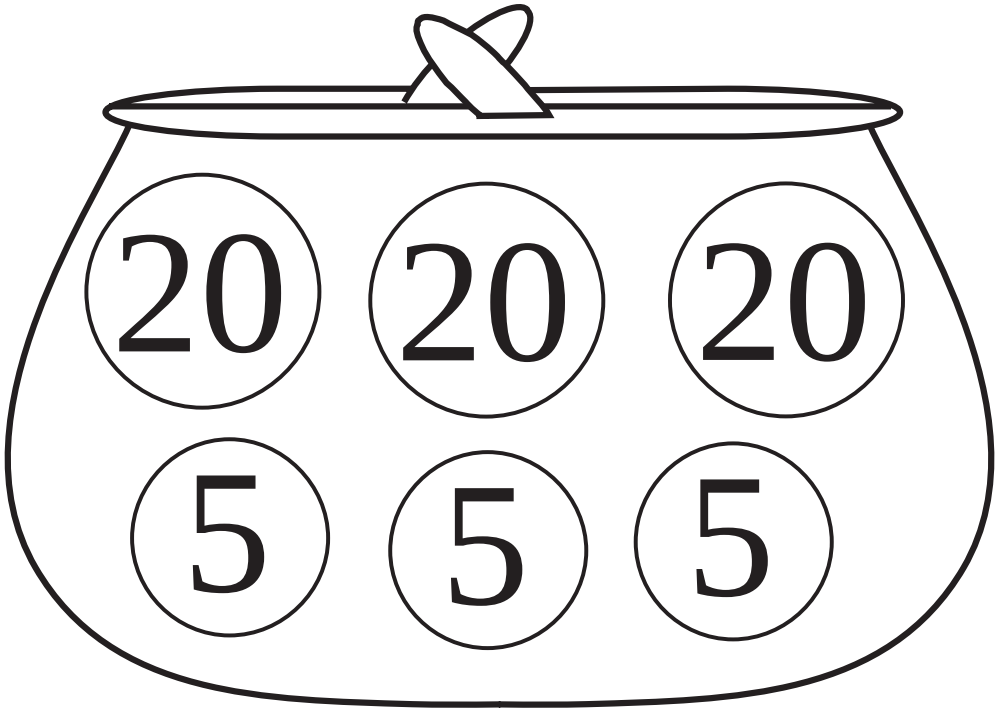
b) Number of pears: $\square \times \square$

Number of apples: $\square \times \square$

Number of pieces of fruit altogether:

$$\square \times \square + \square \times \square = \square\square + \square\square = \square\square$$





$3 \times 10 + 2 =$

$3 \times 5 + 20 =$

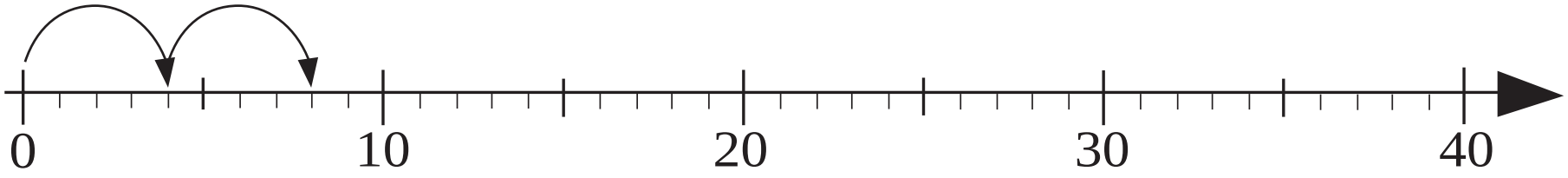
$3 \times (20 + 5) =$

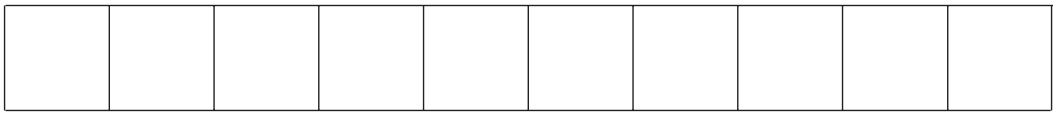
$3 \times 10 + 3 \times 2 =$

$3 \times 20 + 3 \times 5 =$

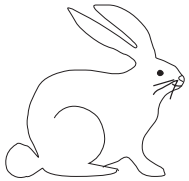
$3 \times (10 + 2) =$

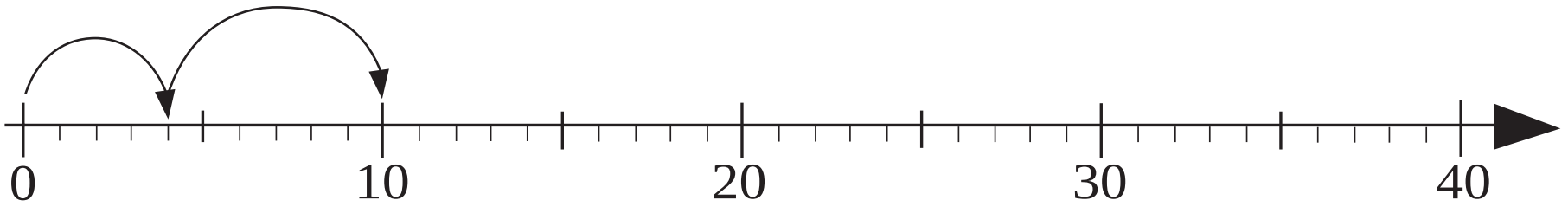
a)





b)





$21 \div 3 - 9 \div 3 =$?

$21 - 9 \div 3 =$?

$(21 - 9) \div 3 =$?

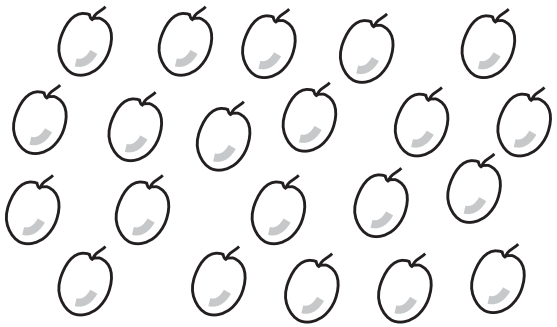
$21 - 9 =$?

$21 - 9 =$? $\times 3$

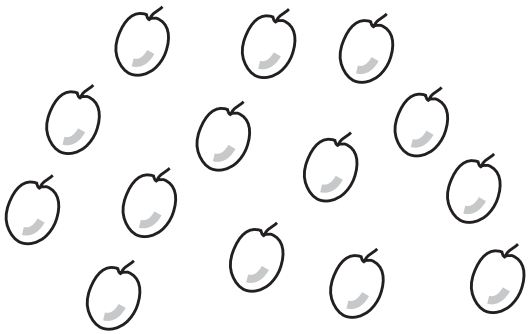
$21 \div 3 -$? $= 9 \div 3$

LP 108/7

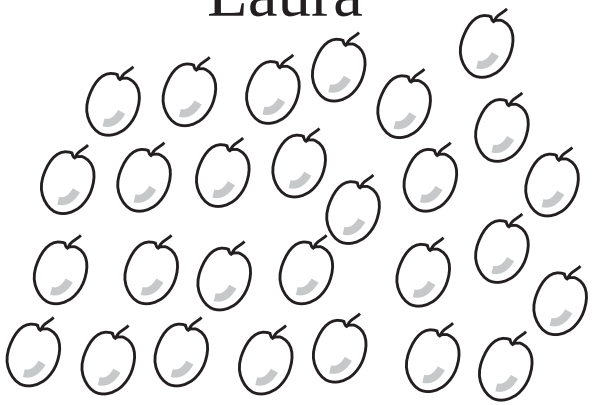
Julie



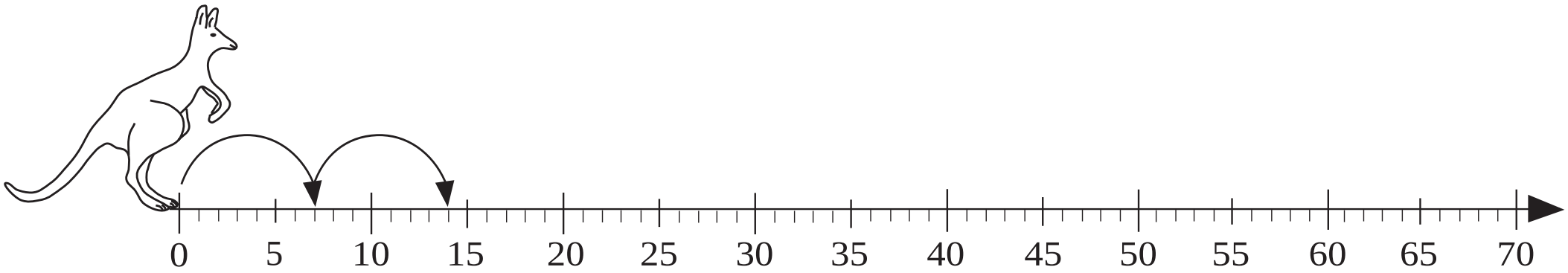
Kate



Laura

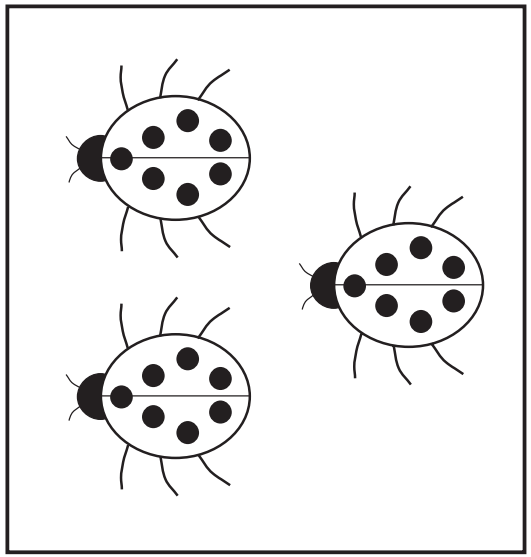


LP 109/6

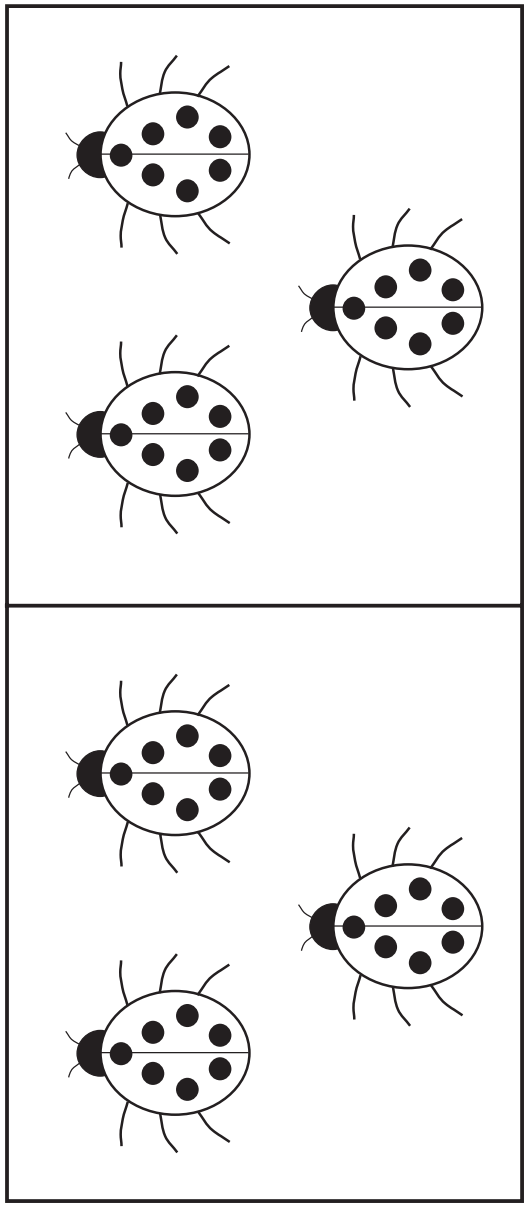


Number of jumps	0	1	2	3	4	5	6	7	8	9	10
Number reached	0	7									

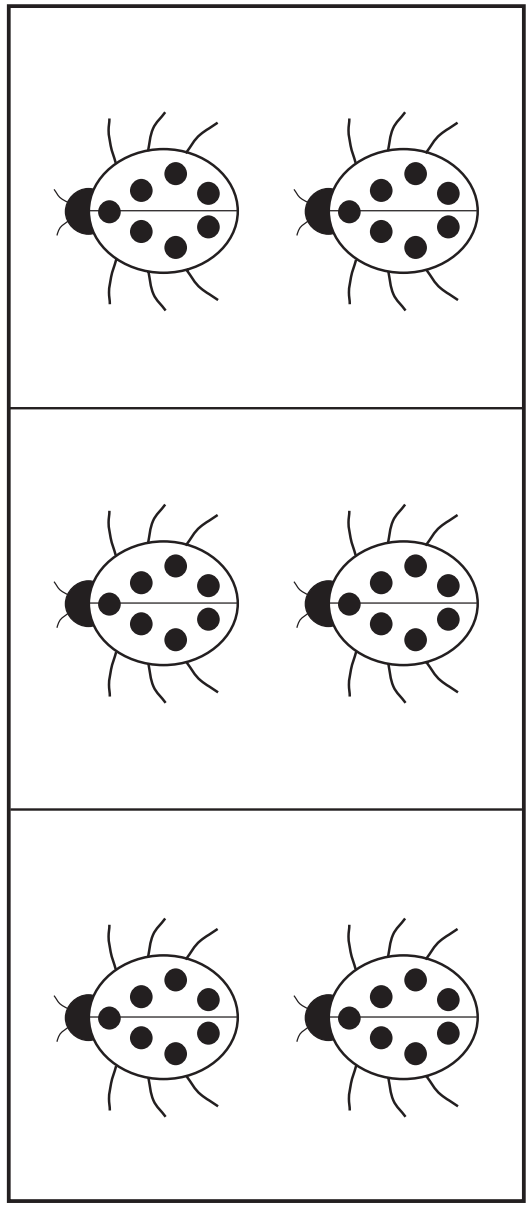
a)



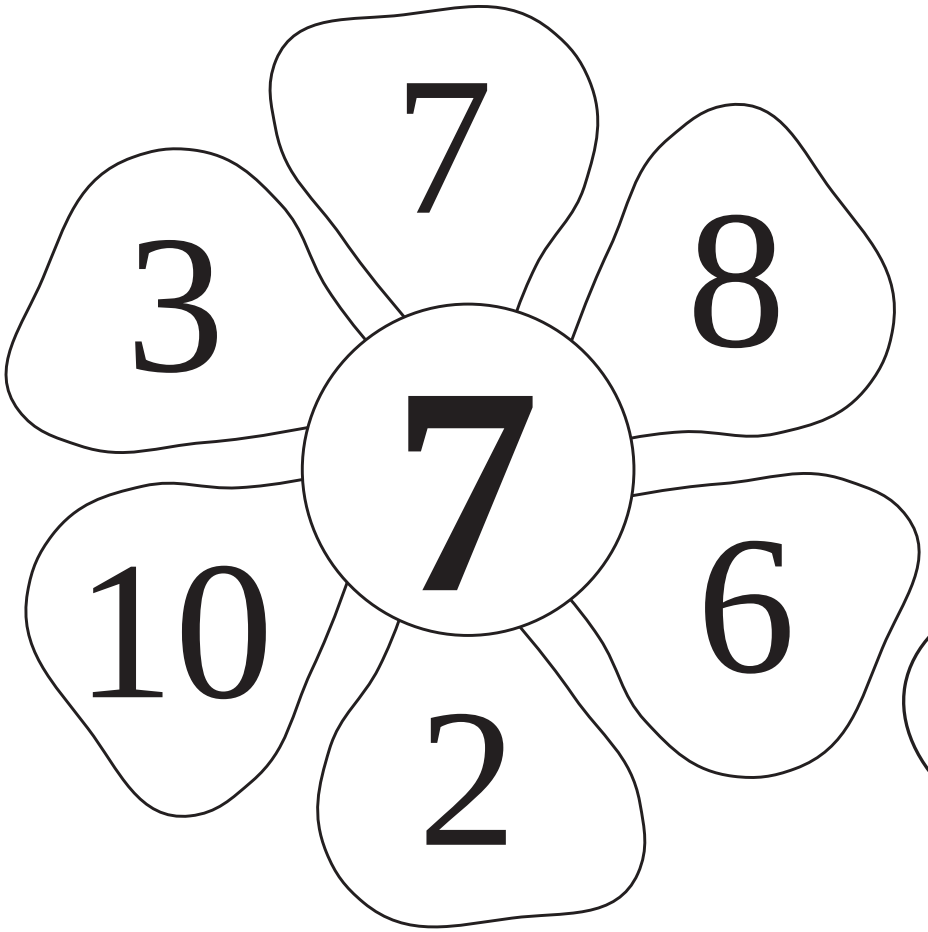
b)

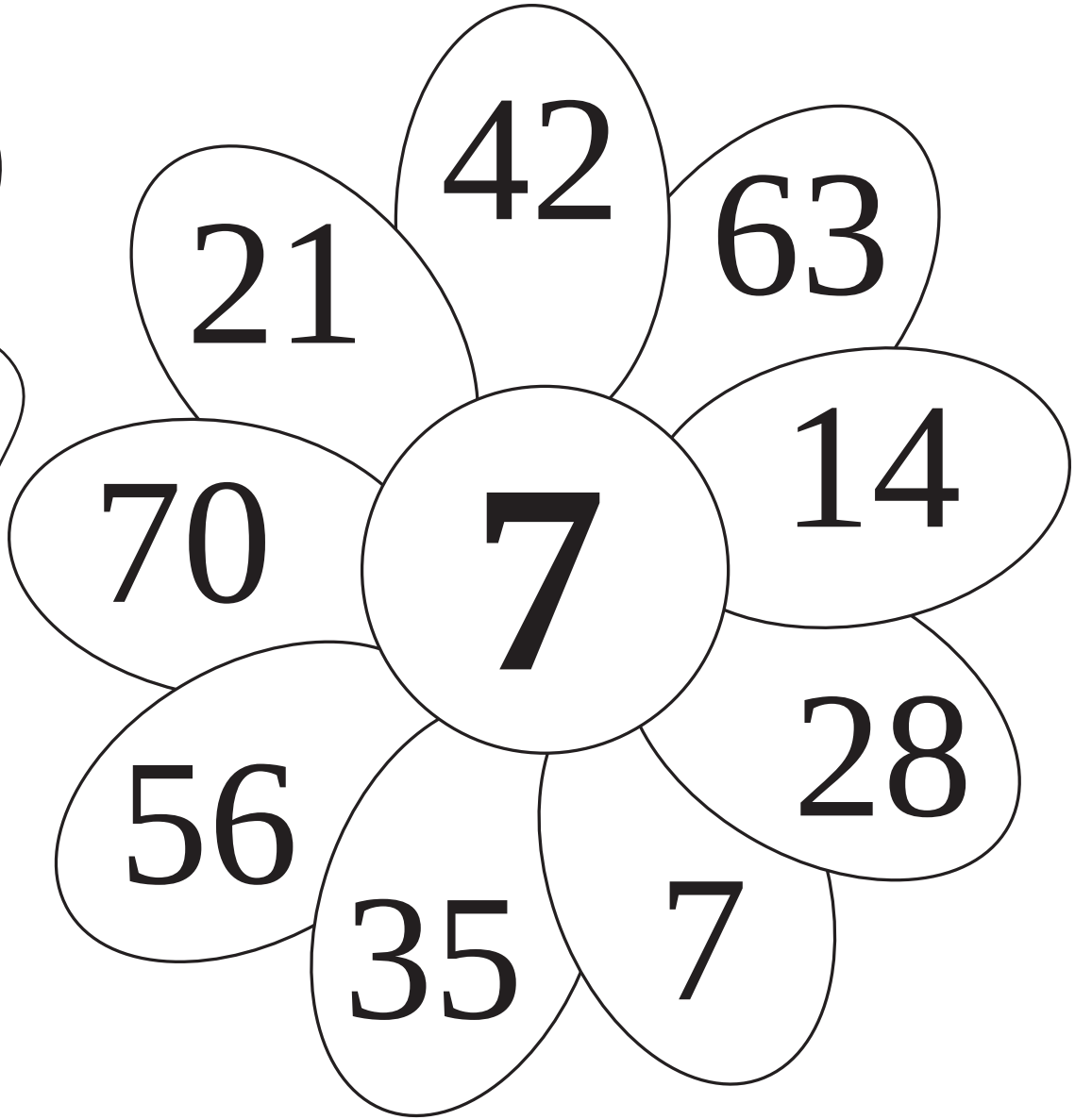


c)



X	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
0			0	0	0	0	0			0	0
1			2	3	4	5	6			9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7			14	21	28	35	42			63	70
8			16	24	32	40	48			72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100





a) $6 \times \square + 13 = 55$

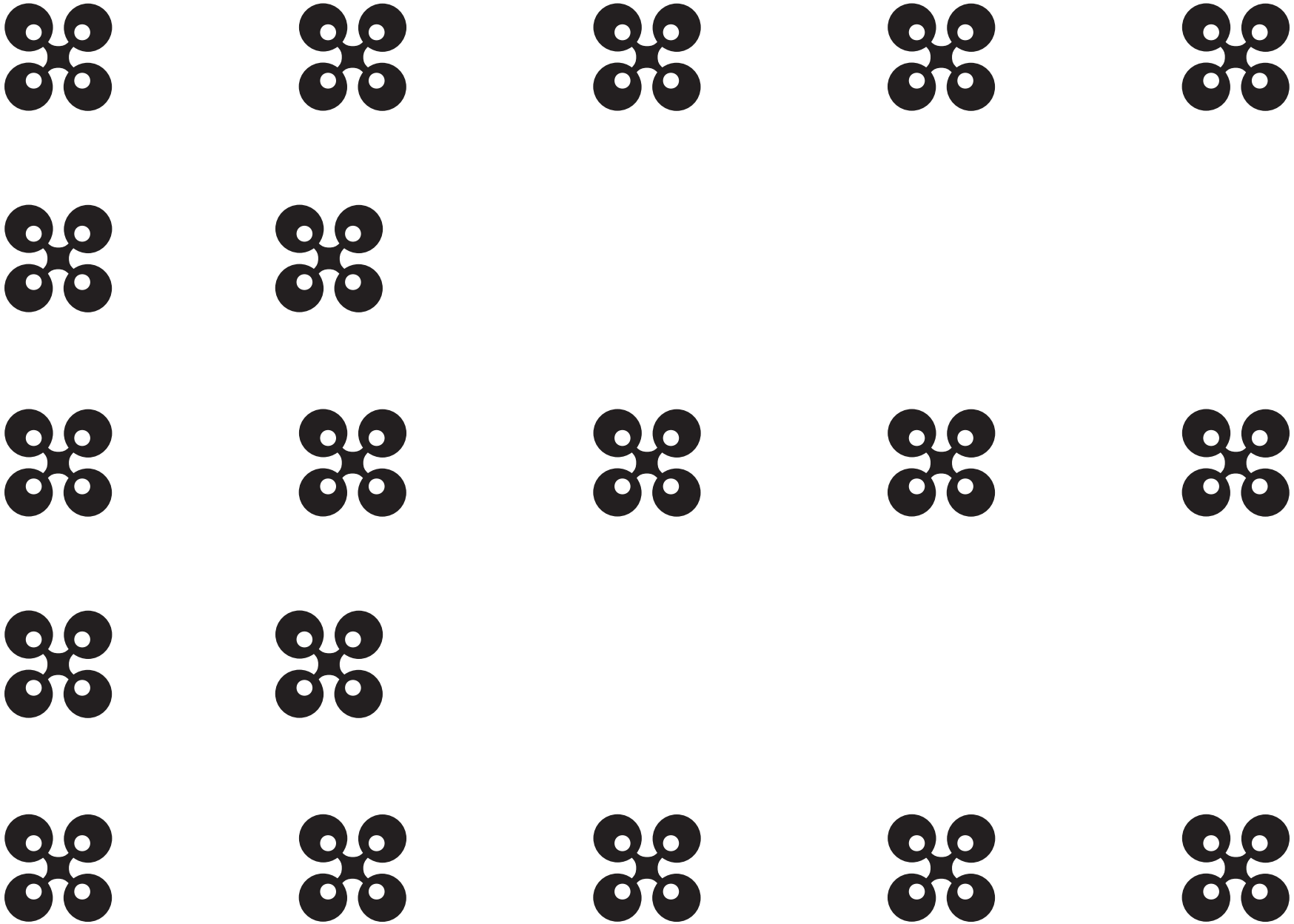
$\square$: . . . . . .

b) $6 \times \pentagon + 13 < 55$

$\pentagon$: . . . . . .

c) $6 \times \cap + 13 > 55$

$\cap$: . . . . . .



Weeks	0	1	2	3	4	5	6	7	8	9	10						
Days	0	7										28	56	70	63	49	21

W = ... D = ...

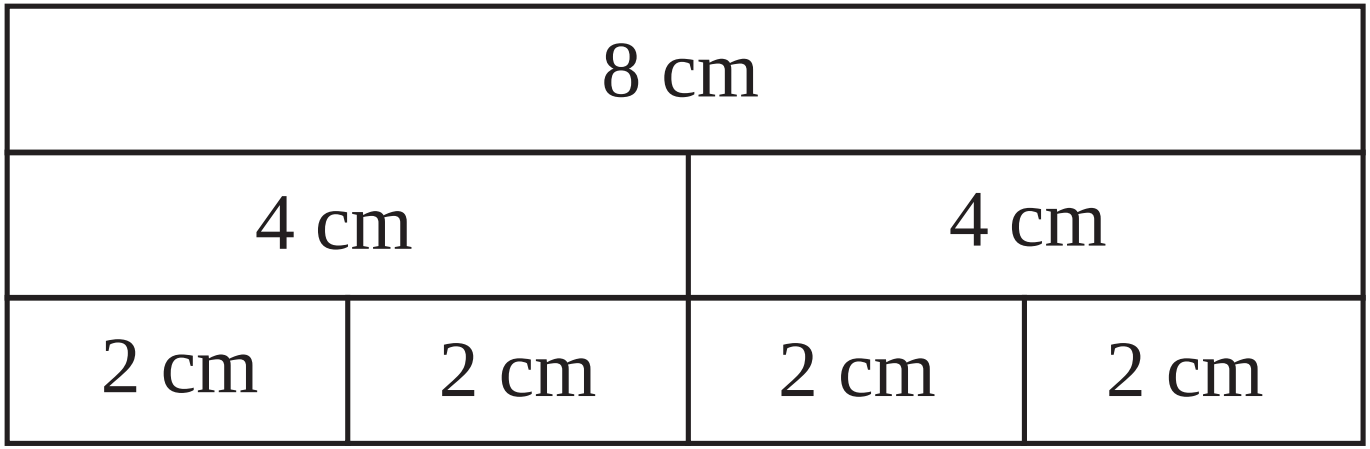
LP 110/3

	18	22	8	27	28	29		52		62	
 each	2						5		8		
 remaining	4						6		4		

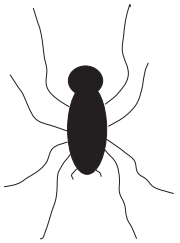
LP 110/7

Number of:

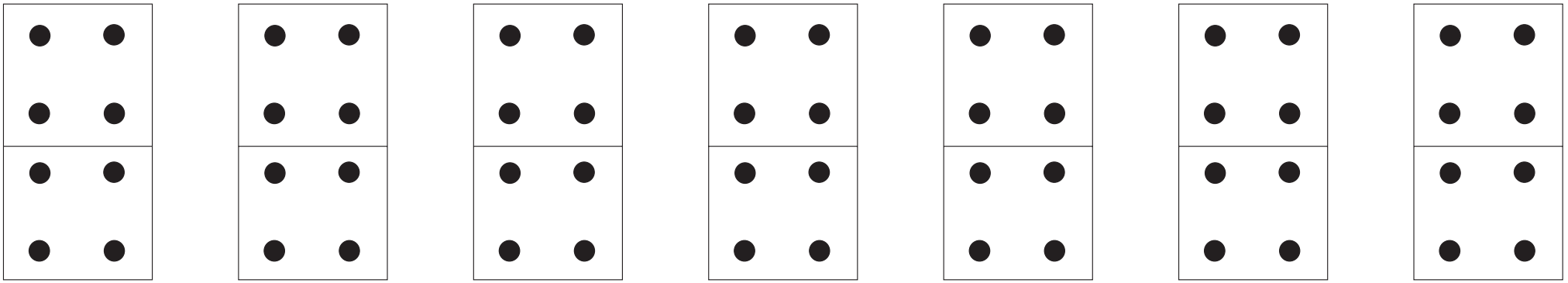
strips	0	1	2	3	4	5	6	7	8	9	10
2 cm strips	0	2									
4 cm strips	0	4									
8 cm strips	0	8									



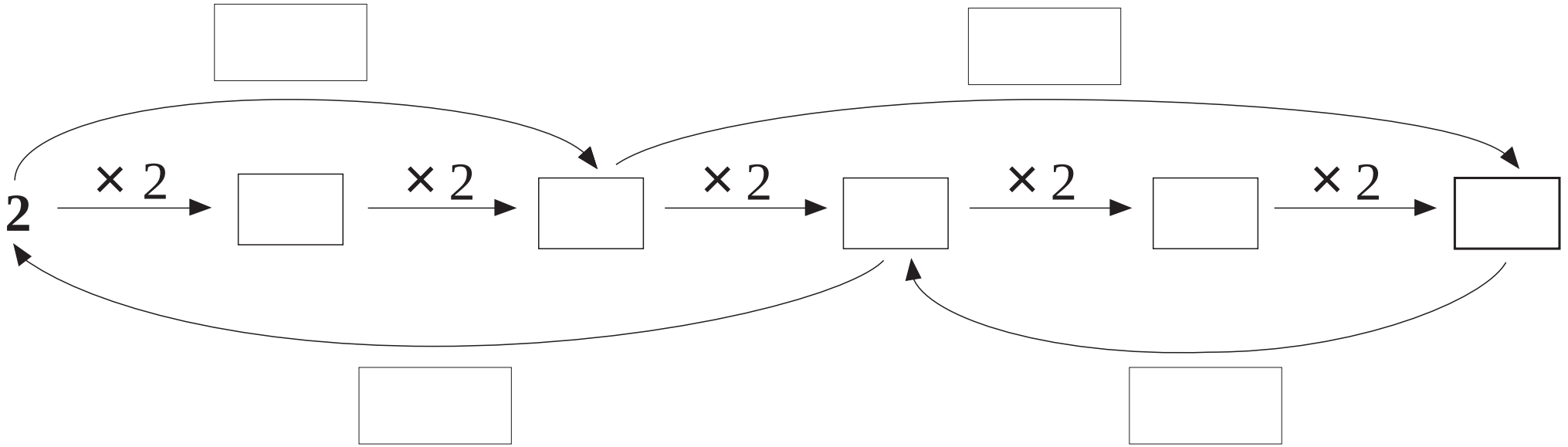
Number of Spiders	0	2	4	6	8	10	9	7	5	3	1
Legs	0										

S = ...  L = ...

LP 111/2



LP 111/3



LP 111/6

Number of:

	0	1	2	3	4	5	6	7	8	9	10
legs	0	0									
shells	0	1									

LP 112/3

X	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
0			0	0	0	0	0	0		0	0
1			2	3	4	5	6	7		9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8			16	24	32	40	48	56		72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

$4 \times 8 - 2$

$3 \times 8 + 5$

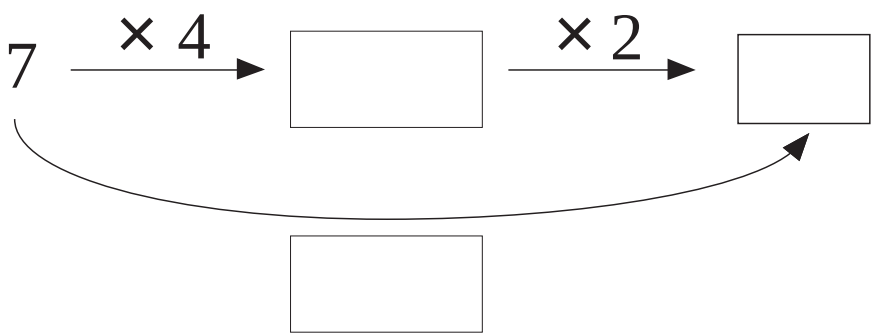
$48 \div 8 + 1$

$64 \div 8 + 11$

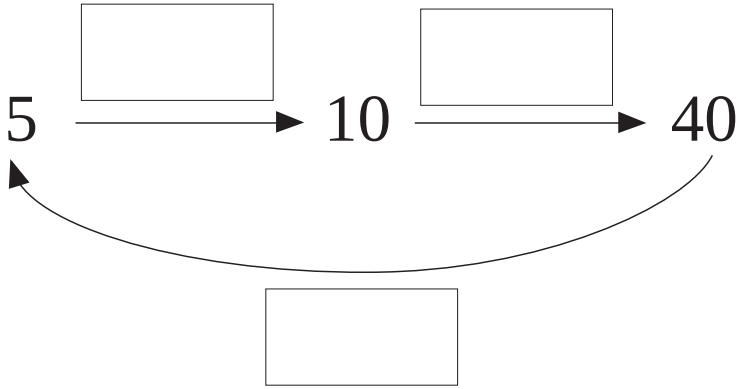
$32 \div 8 + 7$

5×8

a)



b)



LP 112/6

Number of	8	18	20	24	25	36					0
each							6	8	9	10	
remaining							2	5	3	0	

LP 112/7