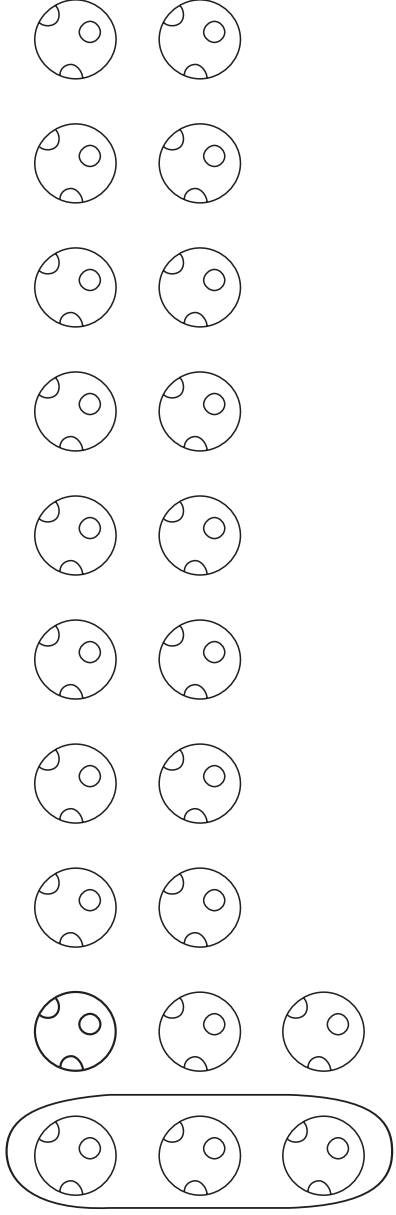


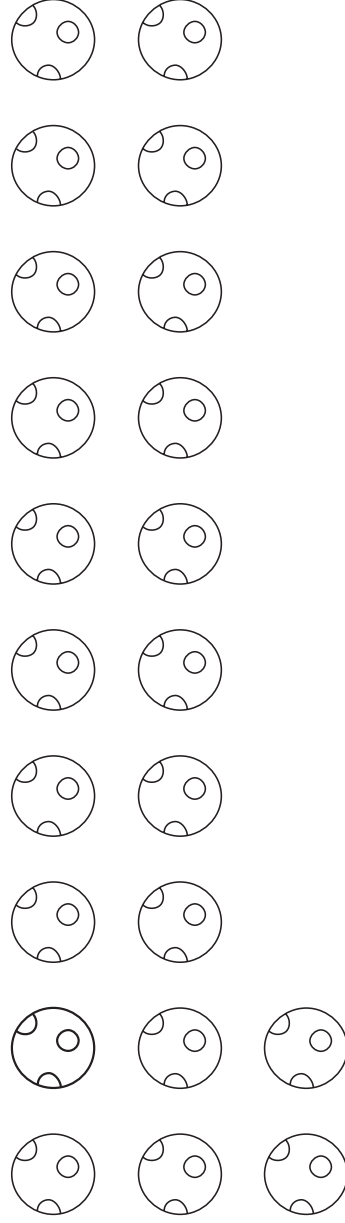
a)



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

$$22 \div 3 = \square, \text{ remainder } \square$$

b)



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

$$22 \div 5 = \square, \text{ remainder } \square$$

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

--

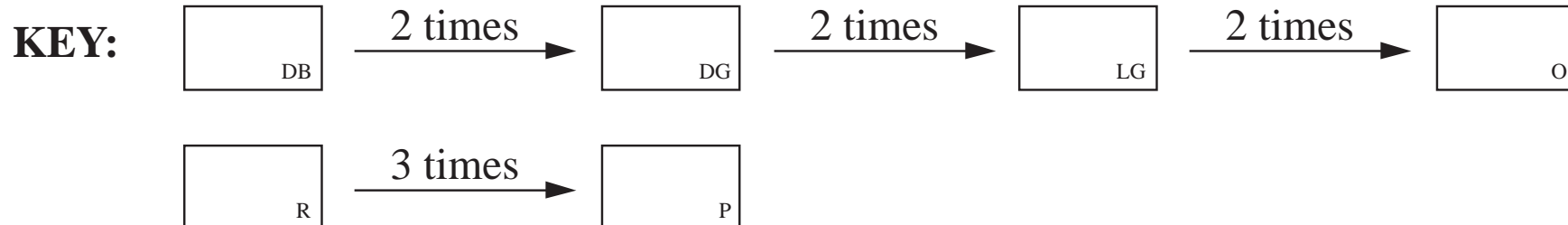
f) 39 eggs

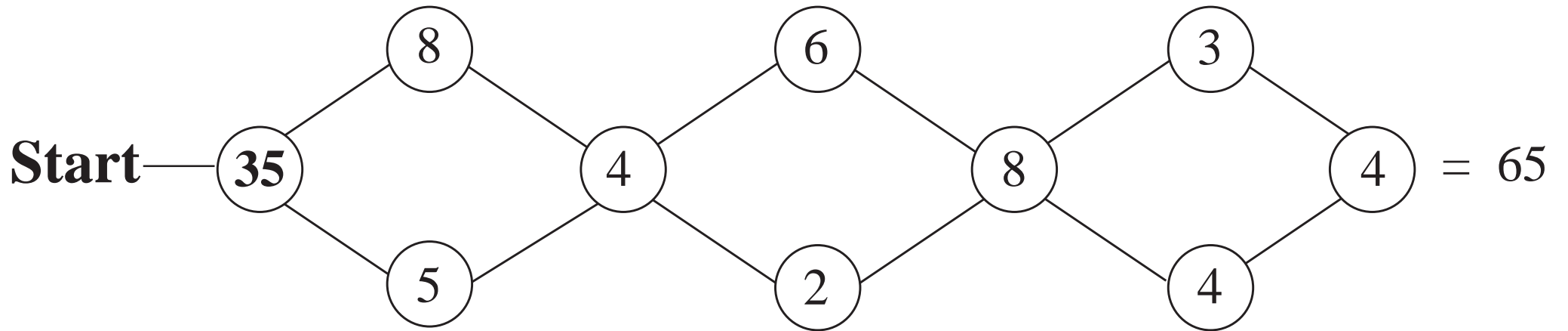
remainder					

Check

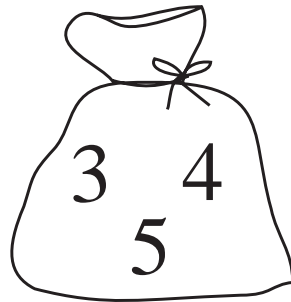
--

	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





LP 111/7

Bag A


×

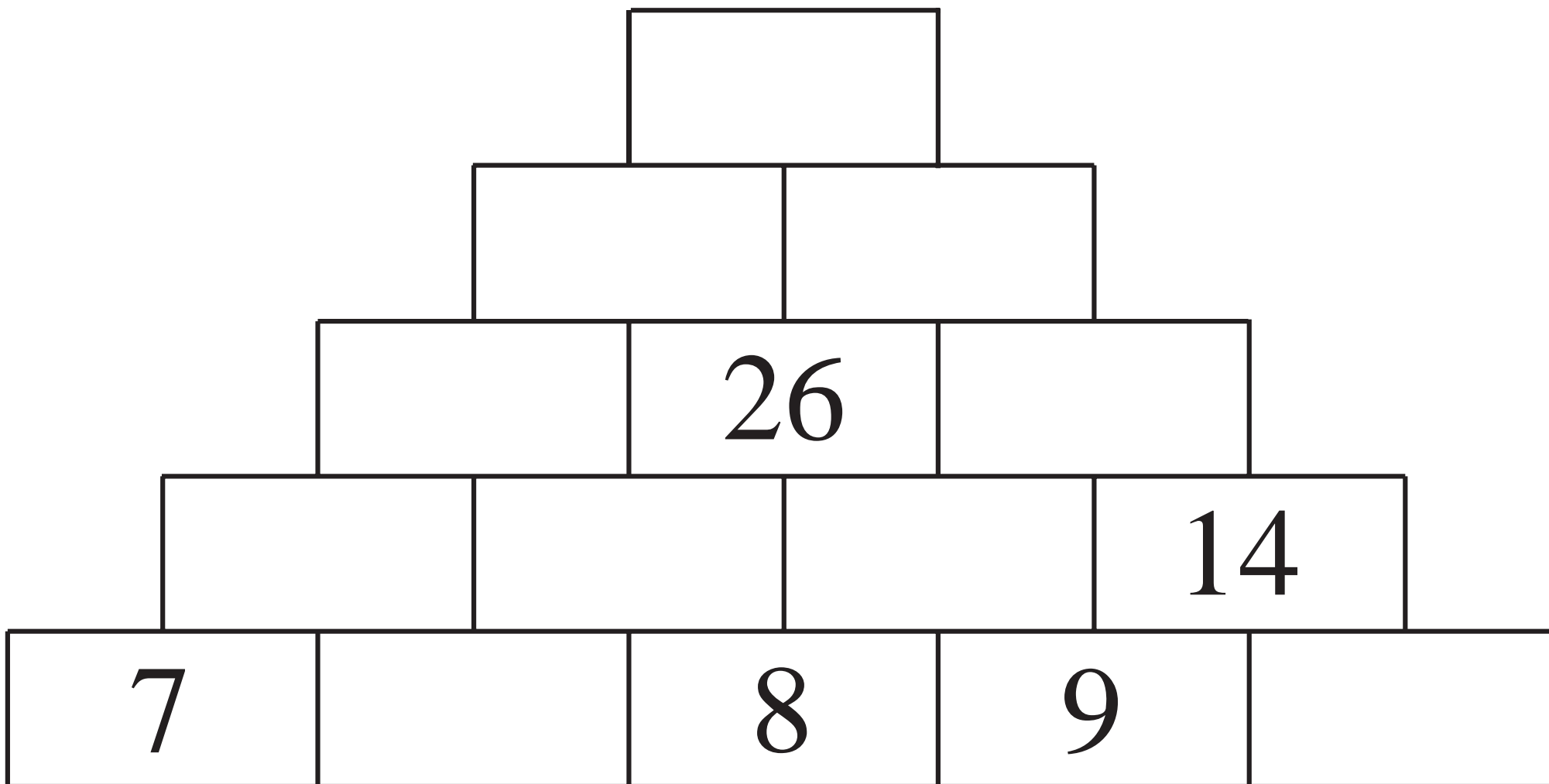
Bag B


$3 \times 5 =$

$3 \times 6 =$

$4 \times 5 =$

LP 112/3



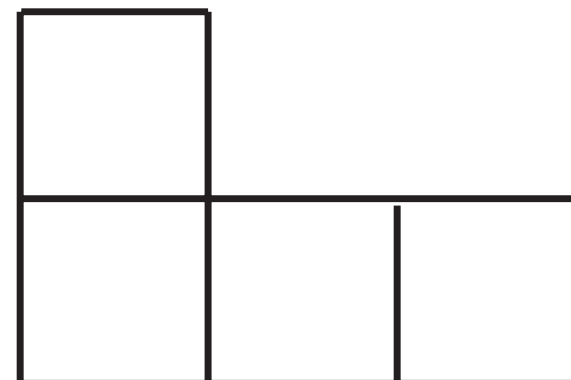
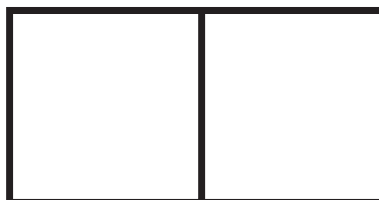
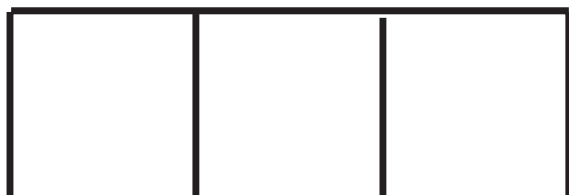
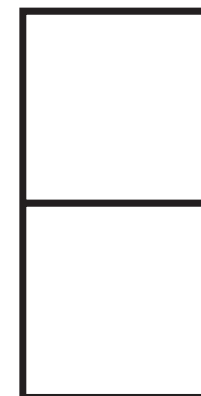
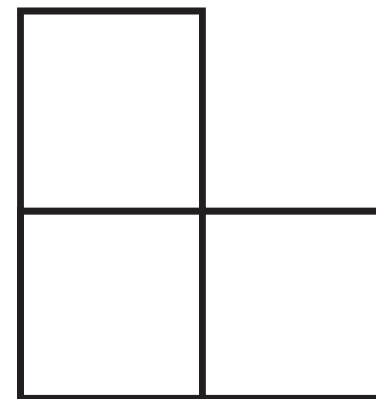
Had (p)	57	57	57	57	57	57	57
Spent (p)							
Has left (p)							

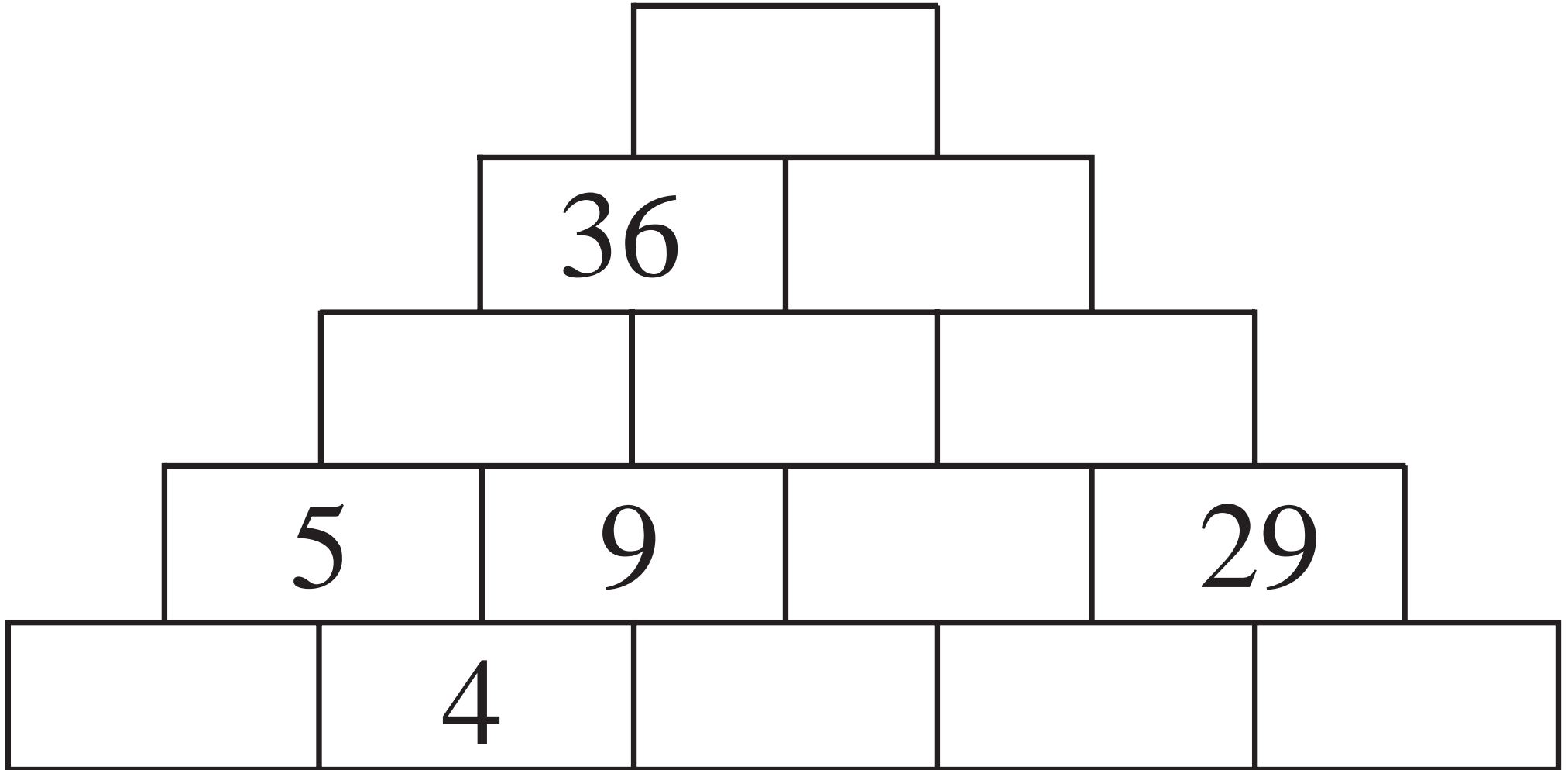
LP 112/7



Colour the fruit.

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)

●	●	●	●
●	■	●	▲
☼	●	●	▲
●		5	♡

$= 16$

$= 32$

$= 12$

$= 70$

$= = = =$

24

16

40

28

b)

♡	☼	♡	☼
☼	1	♡	☼
♡	♡	♡	1
♡			

$= 36$

$= 20$

$= 90$

$= 8$

$= = = =$

60

18

16

30

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

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

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

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

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

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

LP 113/6

$\square \times \square \times \square$

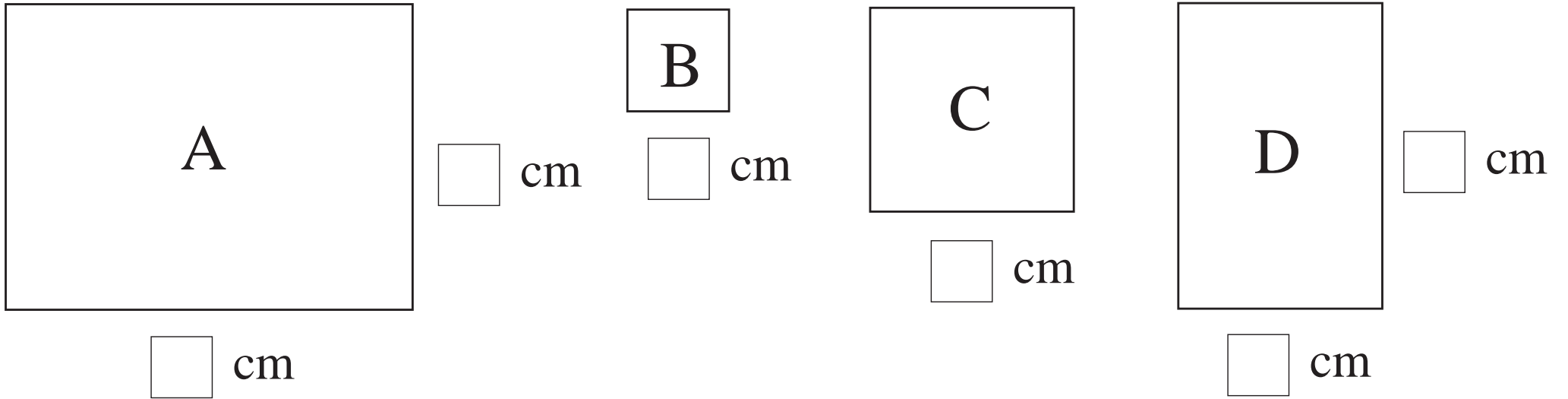
$\square \times \text{hexagon}$

$\square \times \square$

$\square \times \text{hexagon} \times \text{hexagon}$

$\square \times \square \times \text{hexagon}$

$\text{hexagon} \times \text{hexagon}$

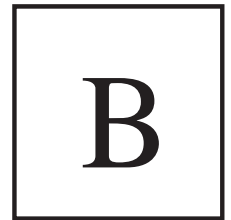
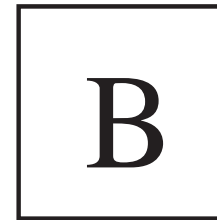
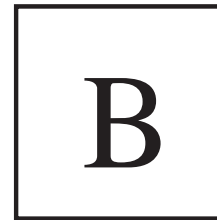
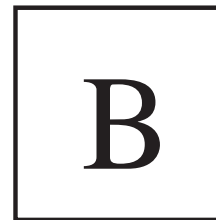
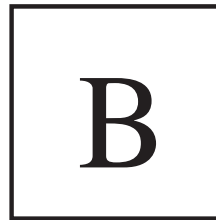
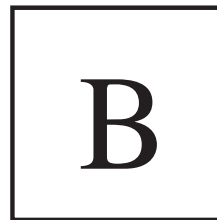
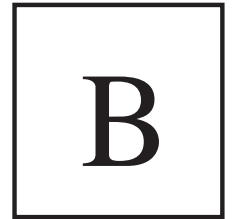
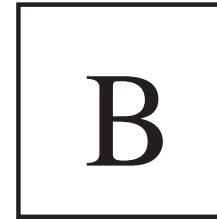
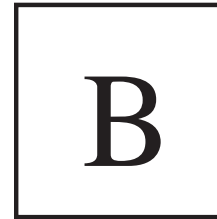
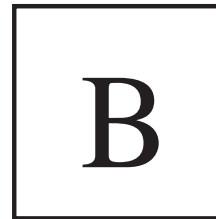
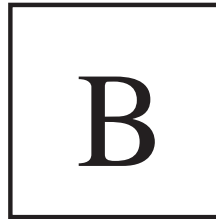
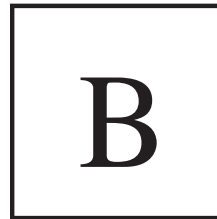
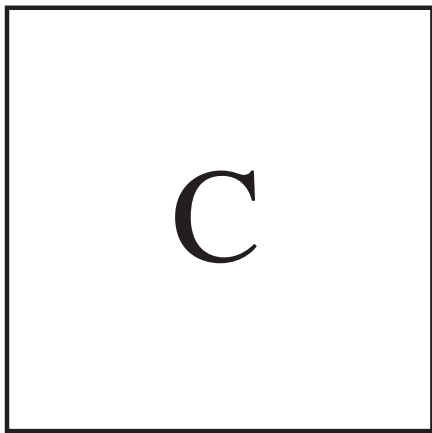
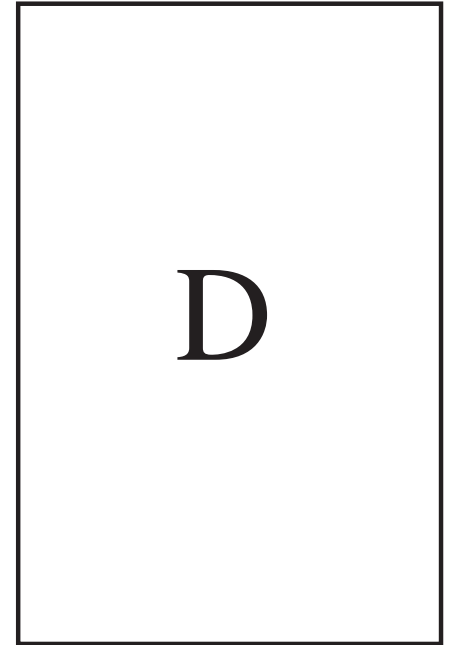
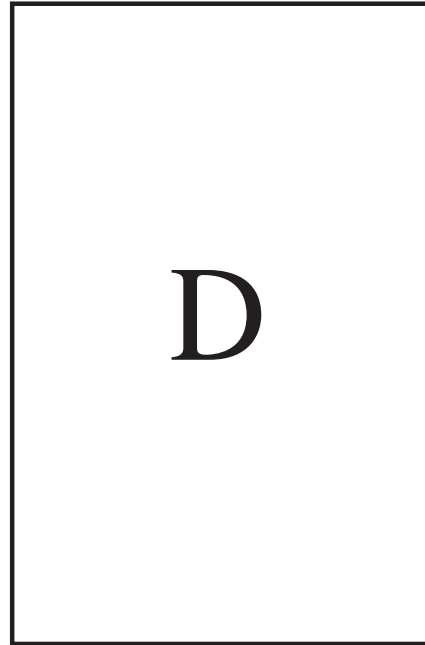
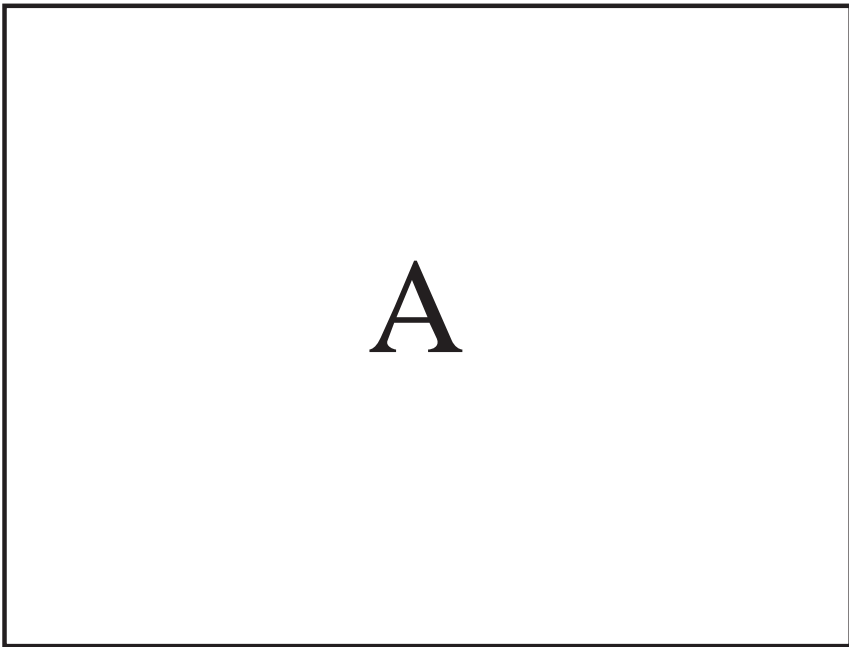


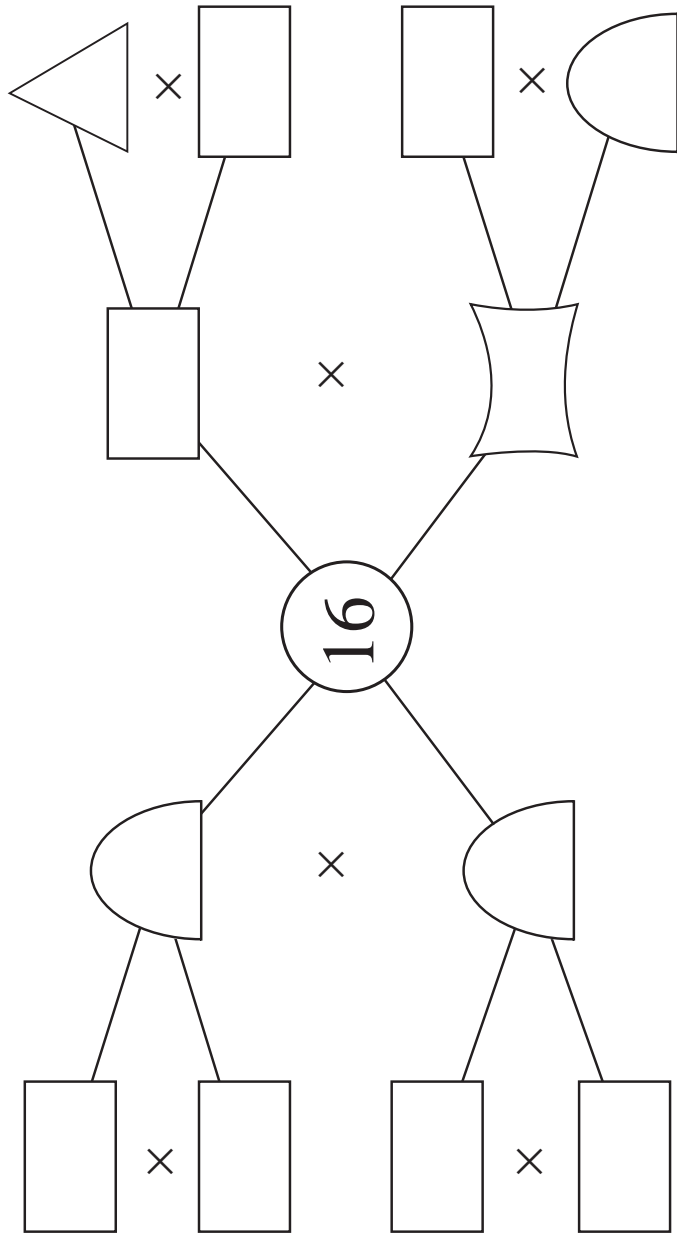
A

B

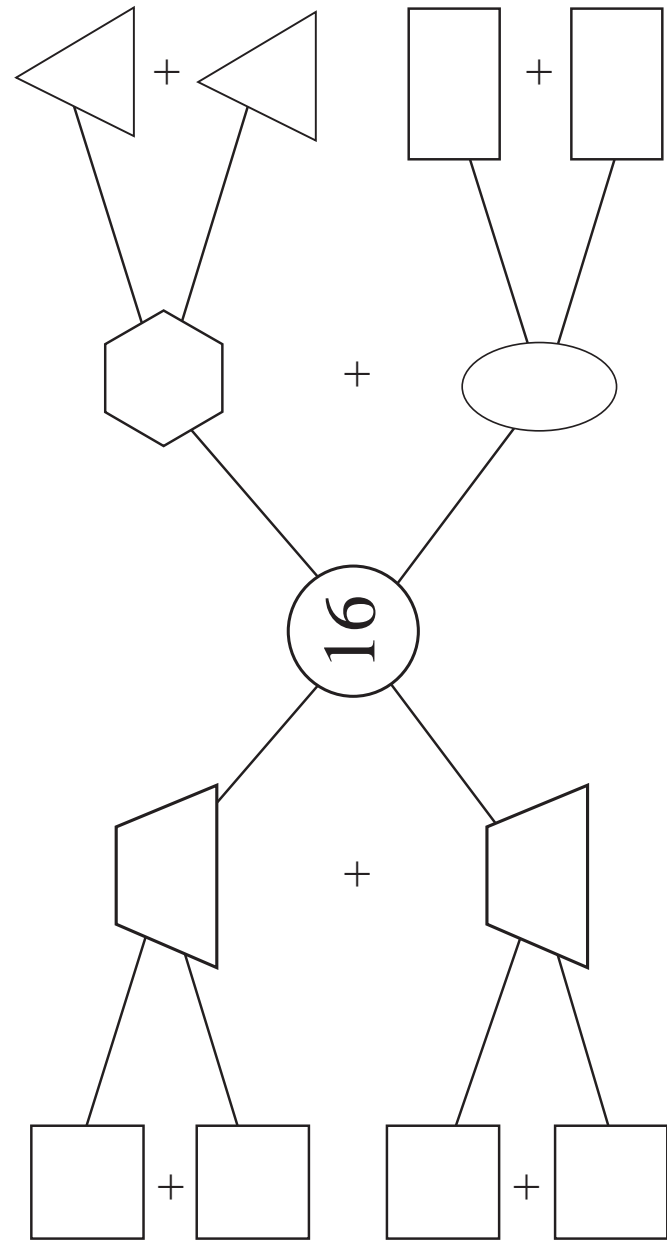
C

D

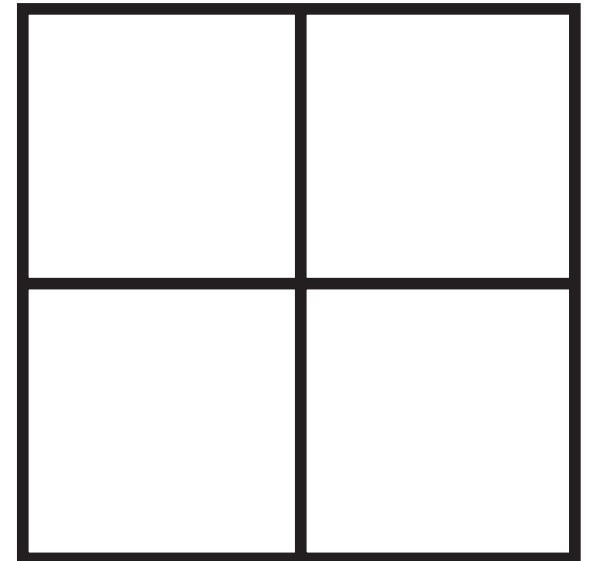
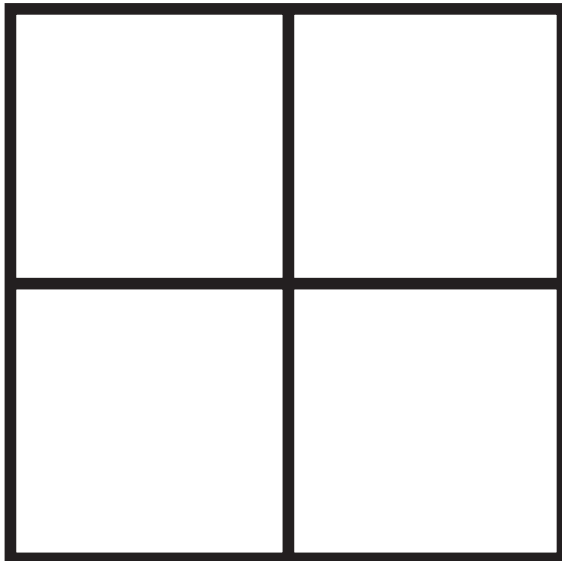
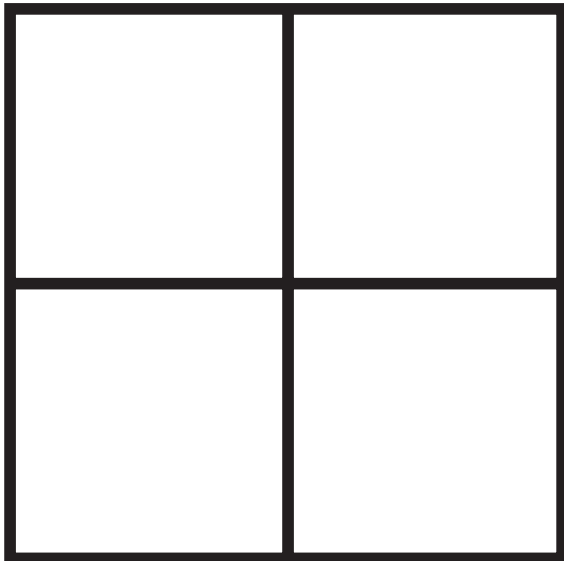
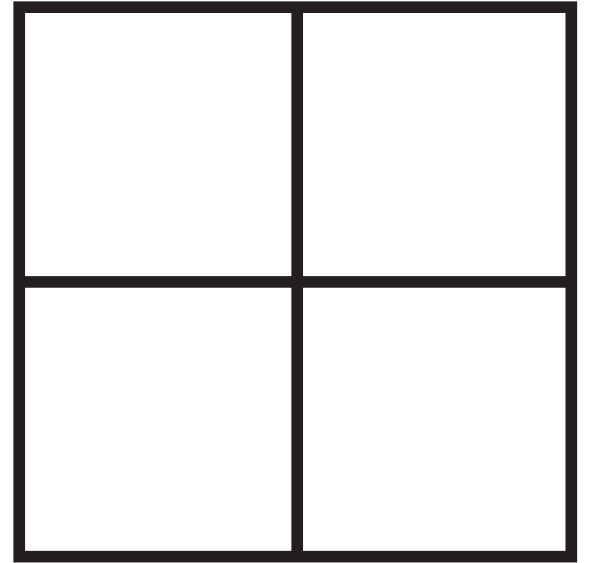
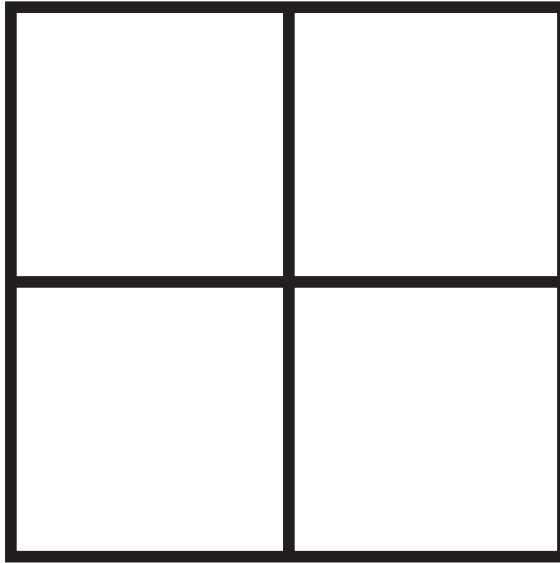
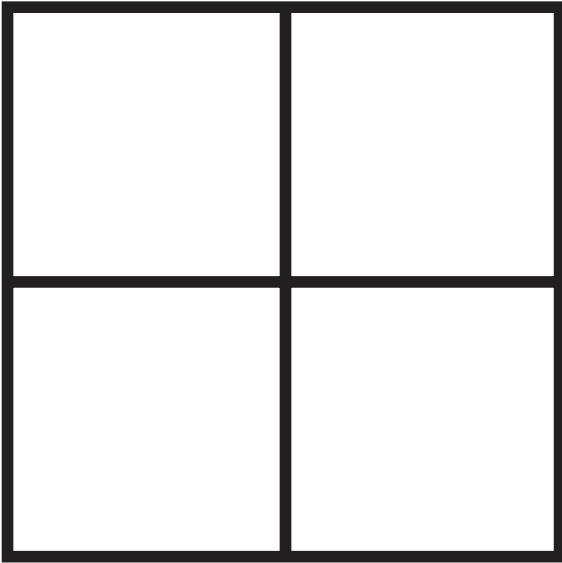




a)



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

$50 - 3$

$35 + 35$

$45 - 5$

$45 + 5$

$28 \div 2$

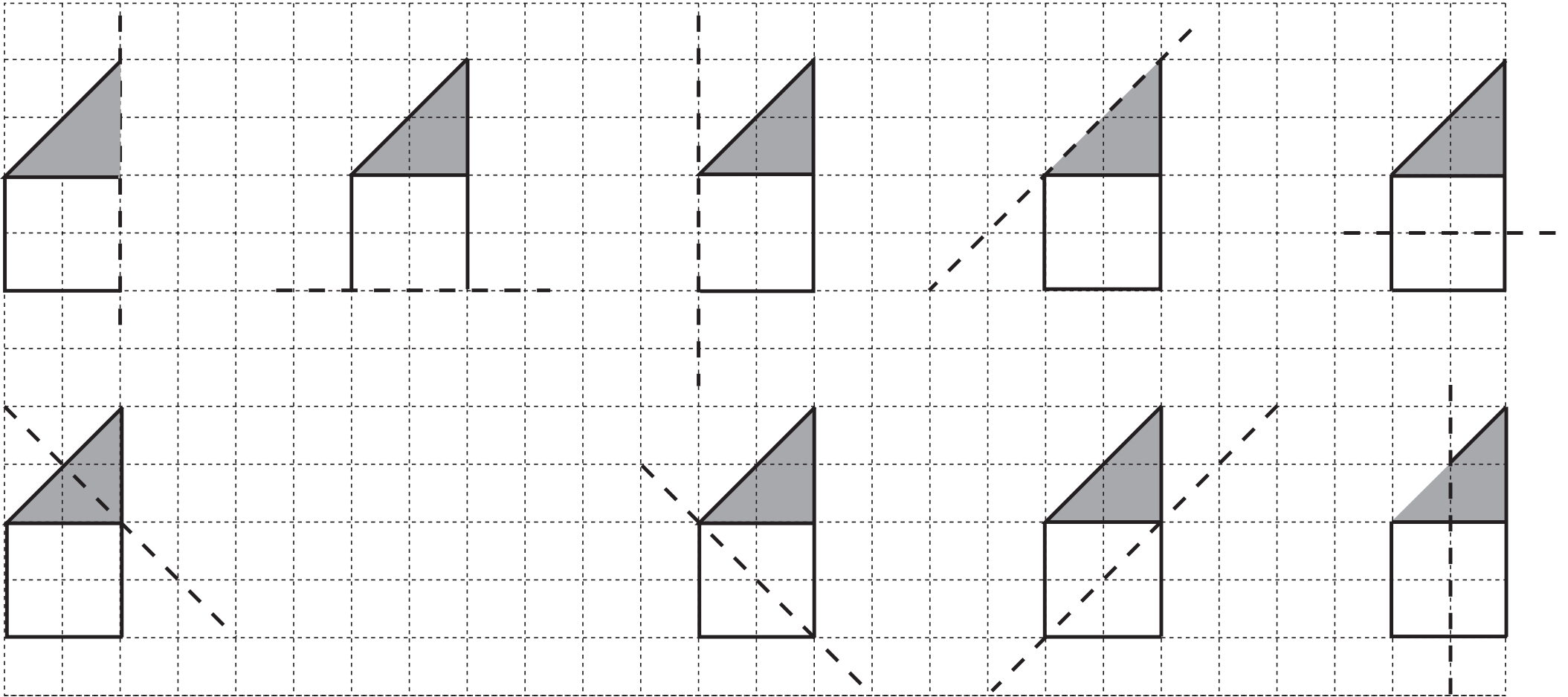
a) 11 22 33 77 00 66 44 88 55 99

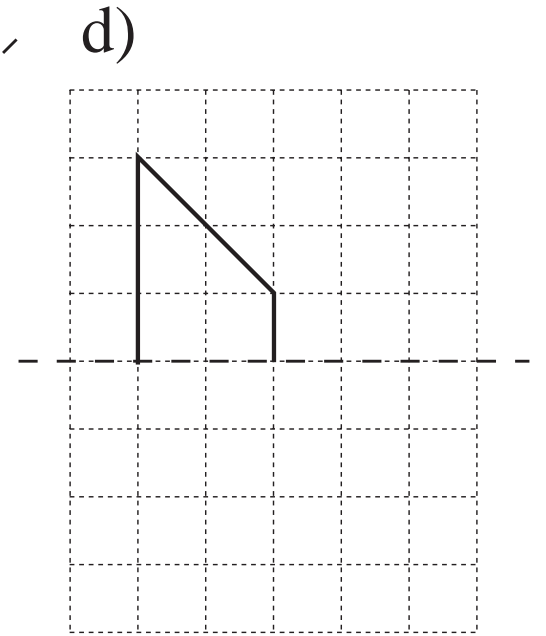
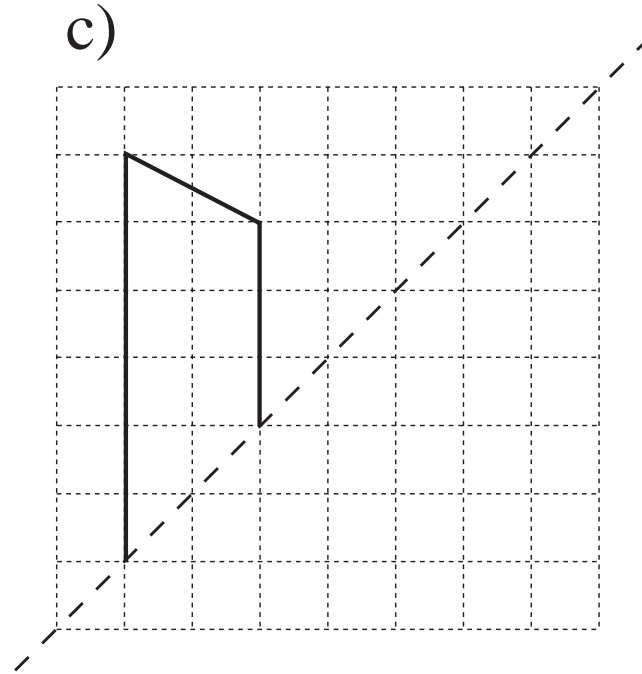
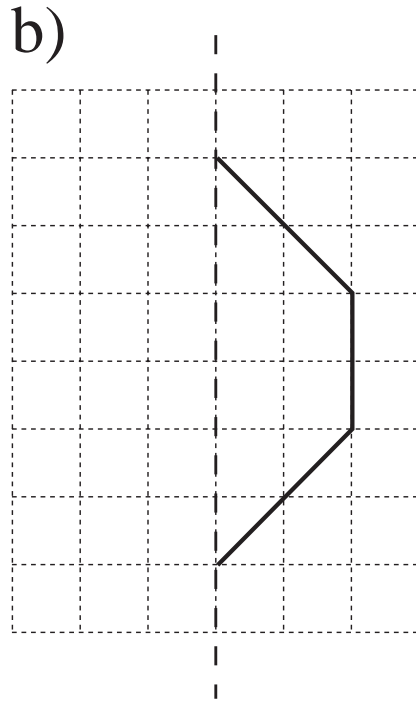
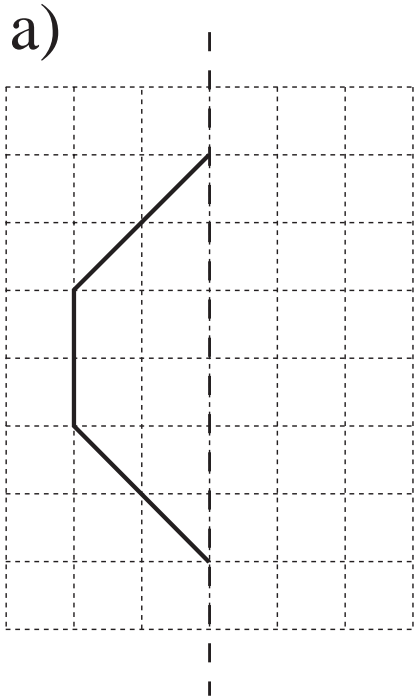
b) 8 9 5 2 1 3 6 4 0 7

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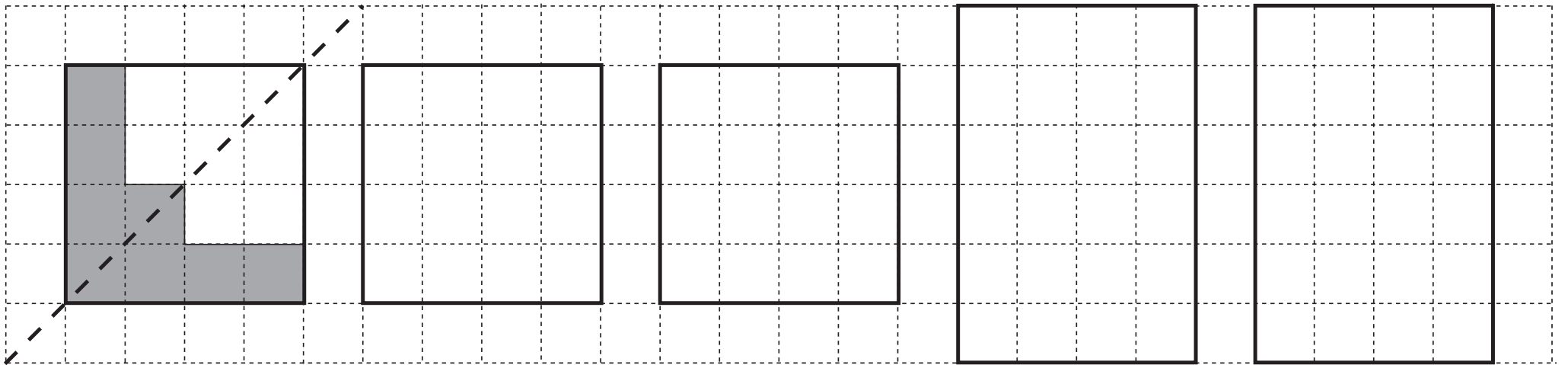
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LP 117/5

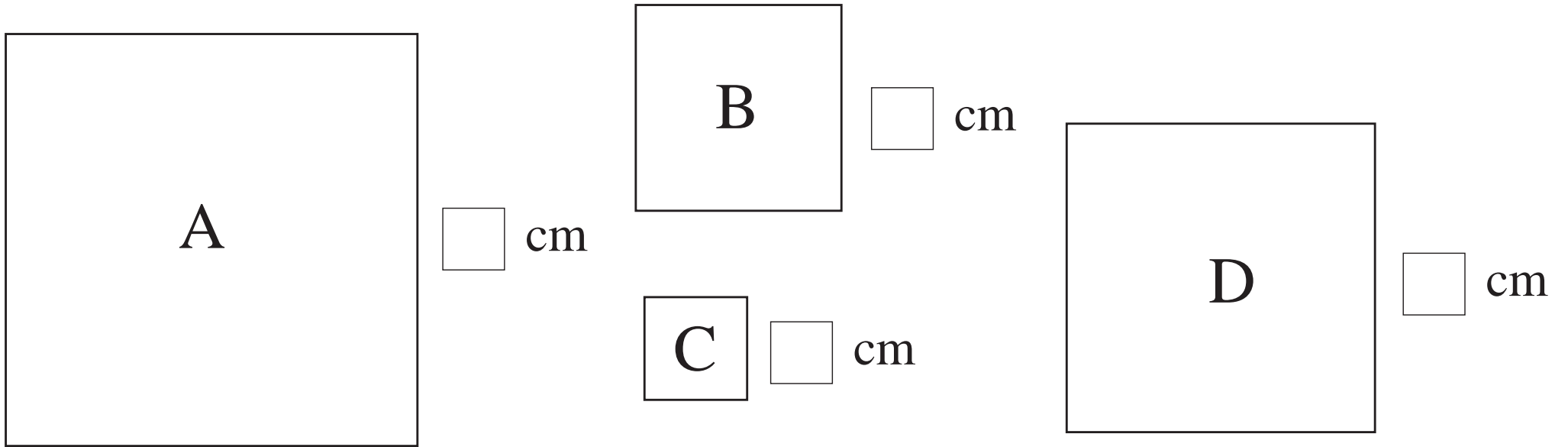




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LP 118/4

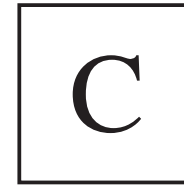
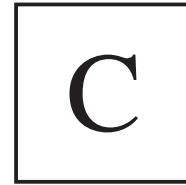
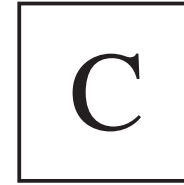
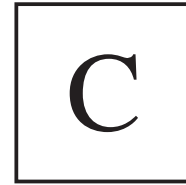
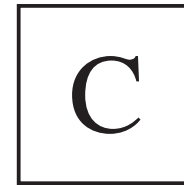
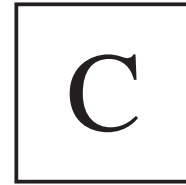
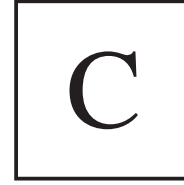
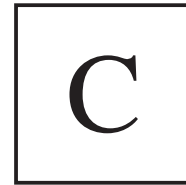
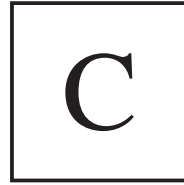
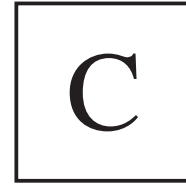
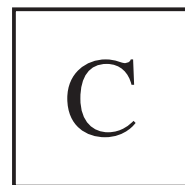
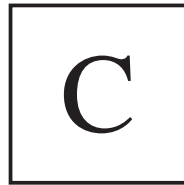
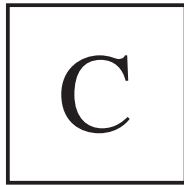
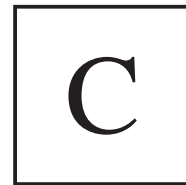
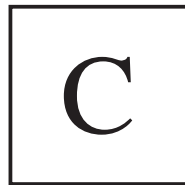
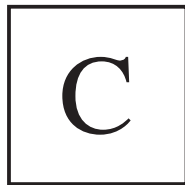
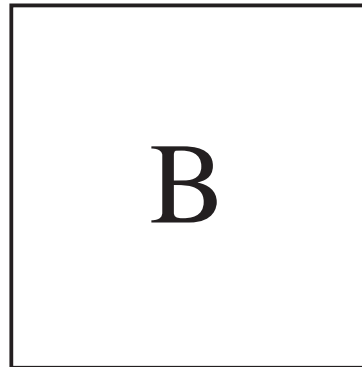
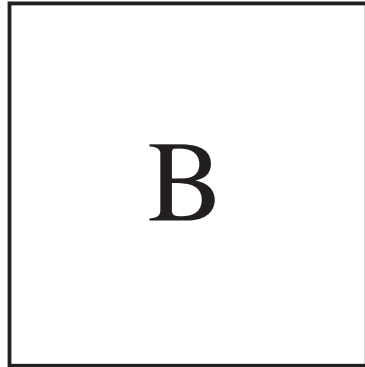
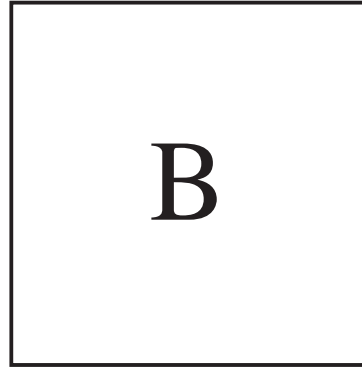
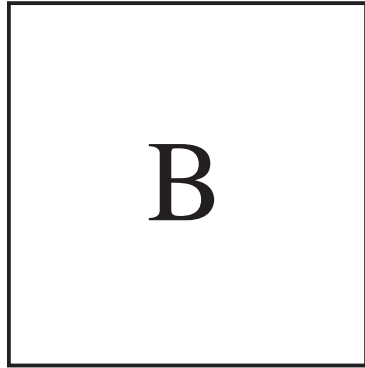
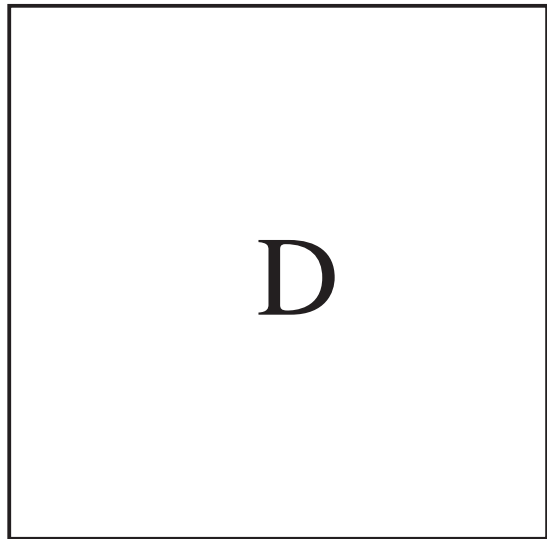
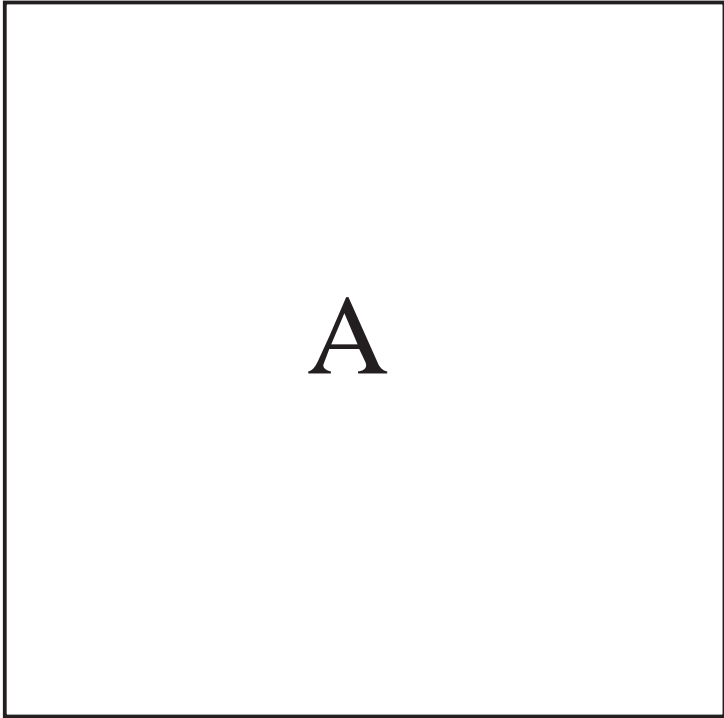


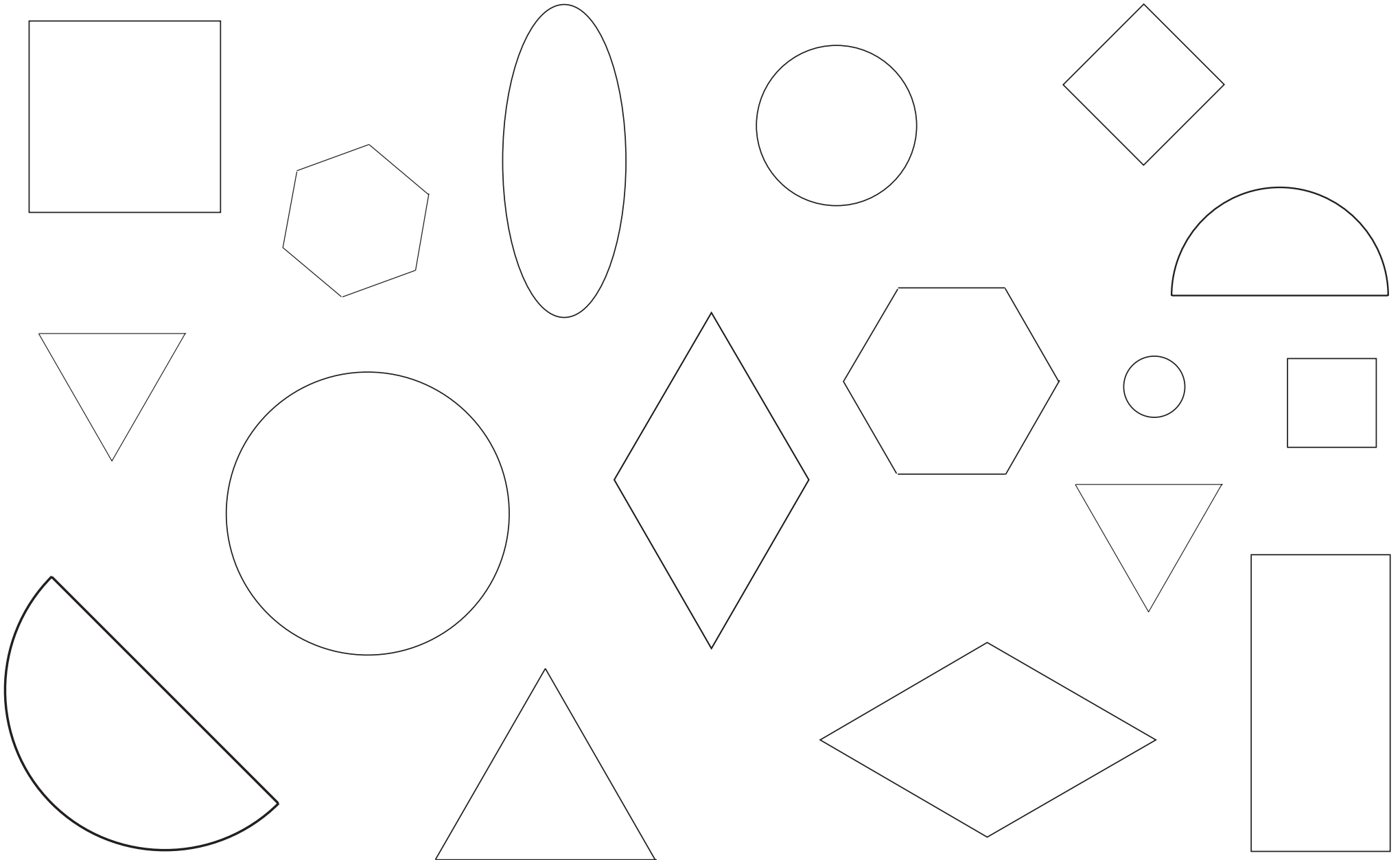
A

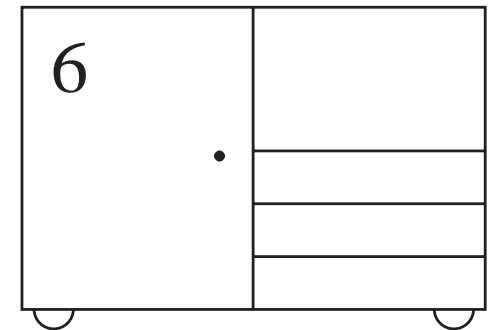
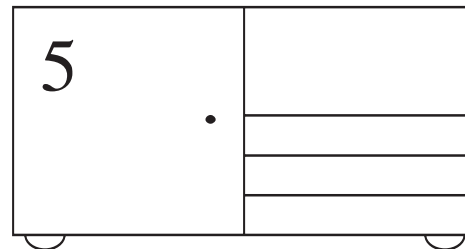
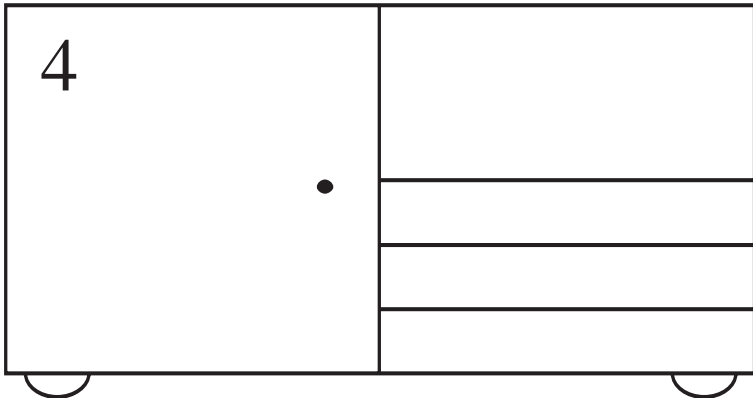
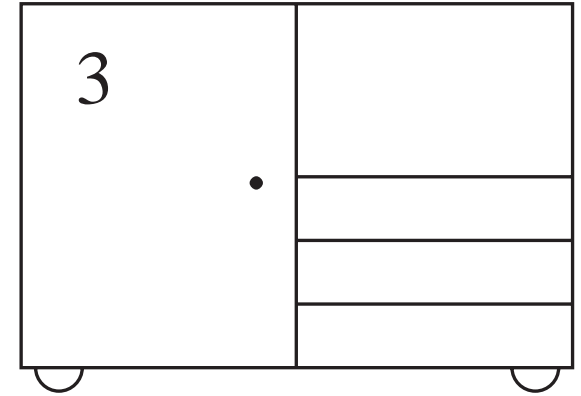
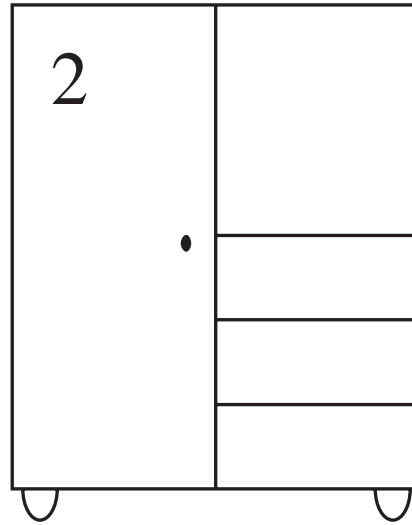
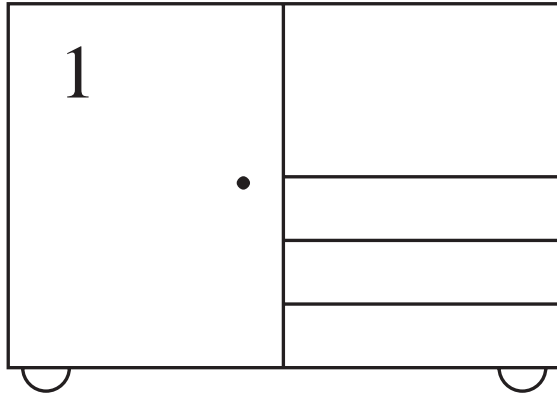
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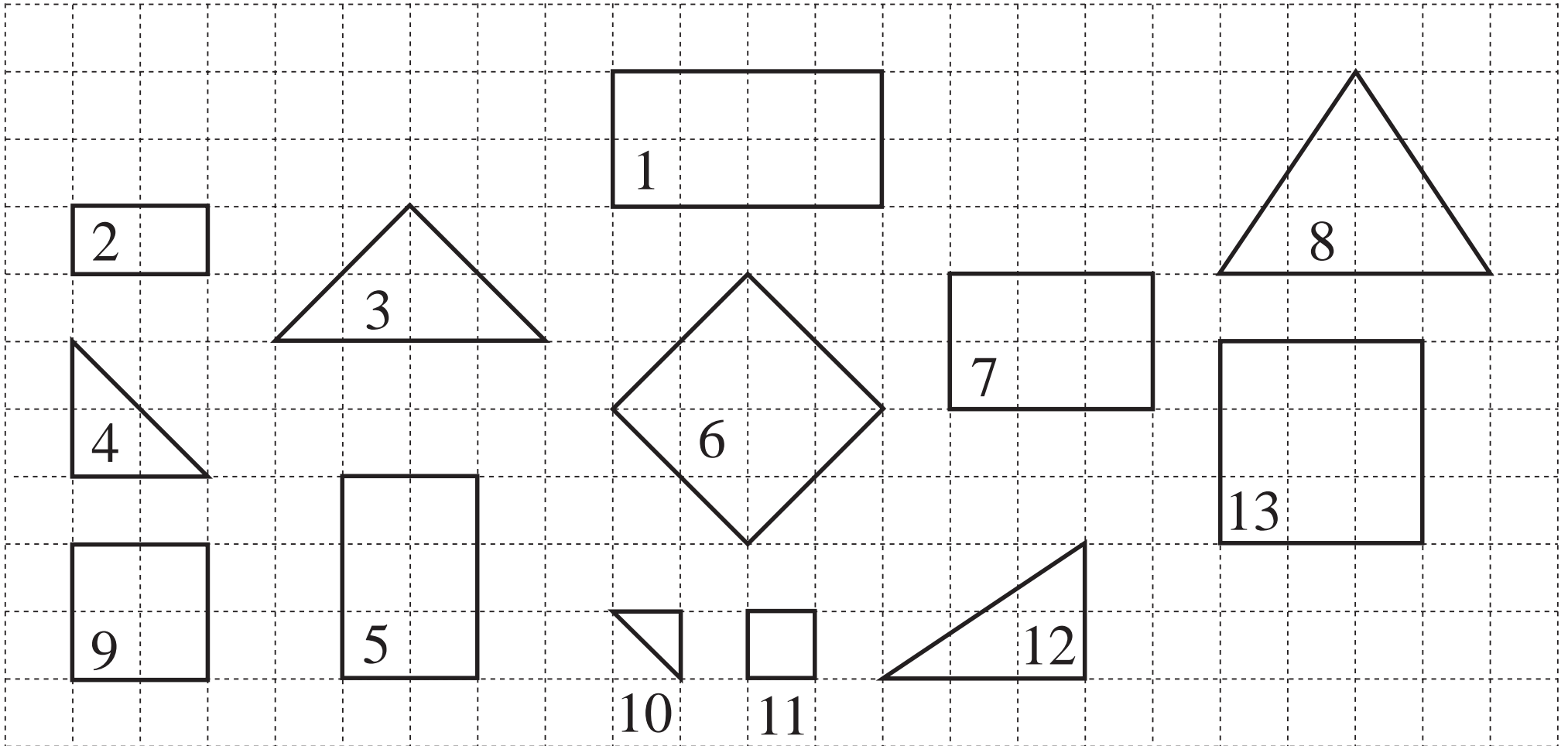
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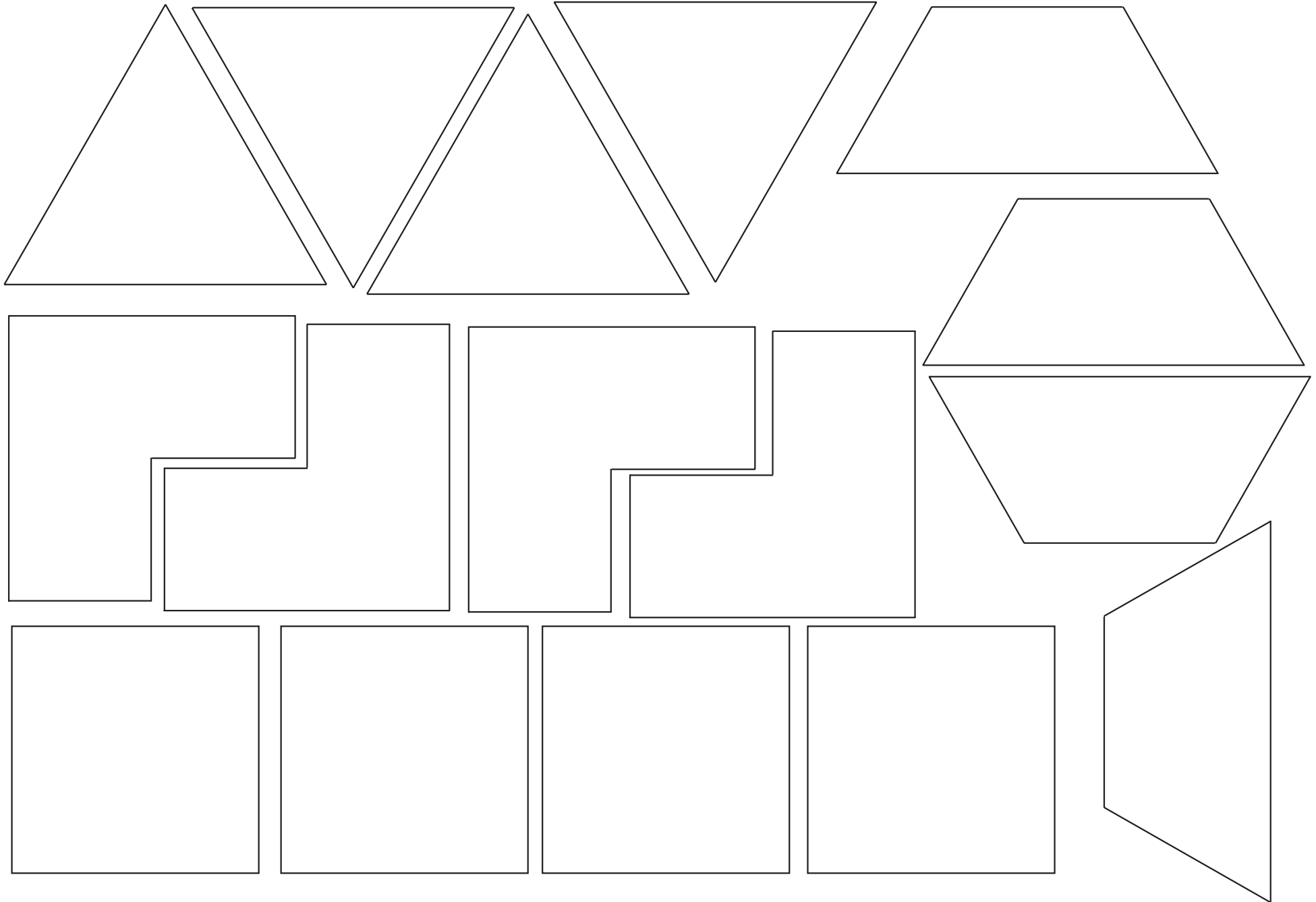
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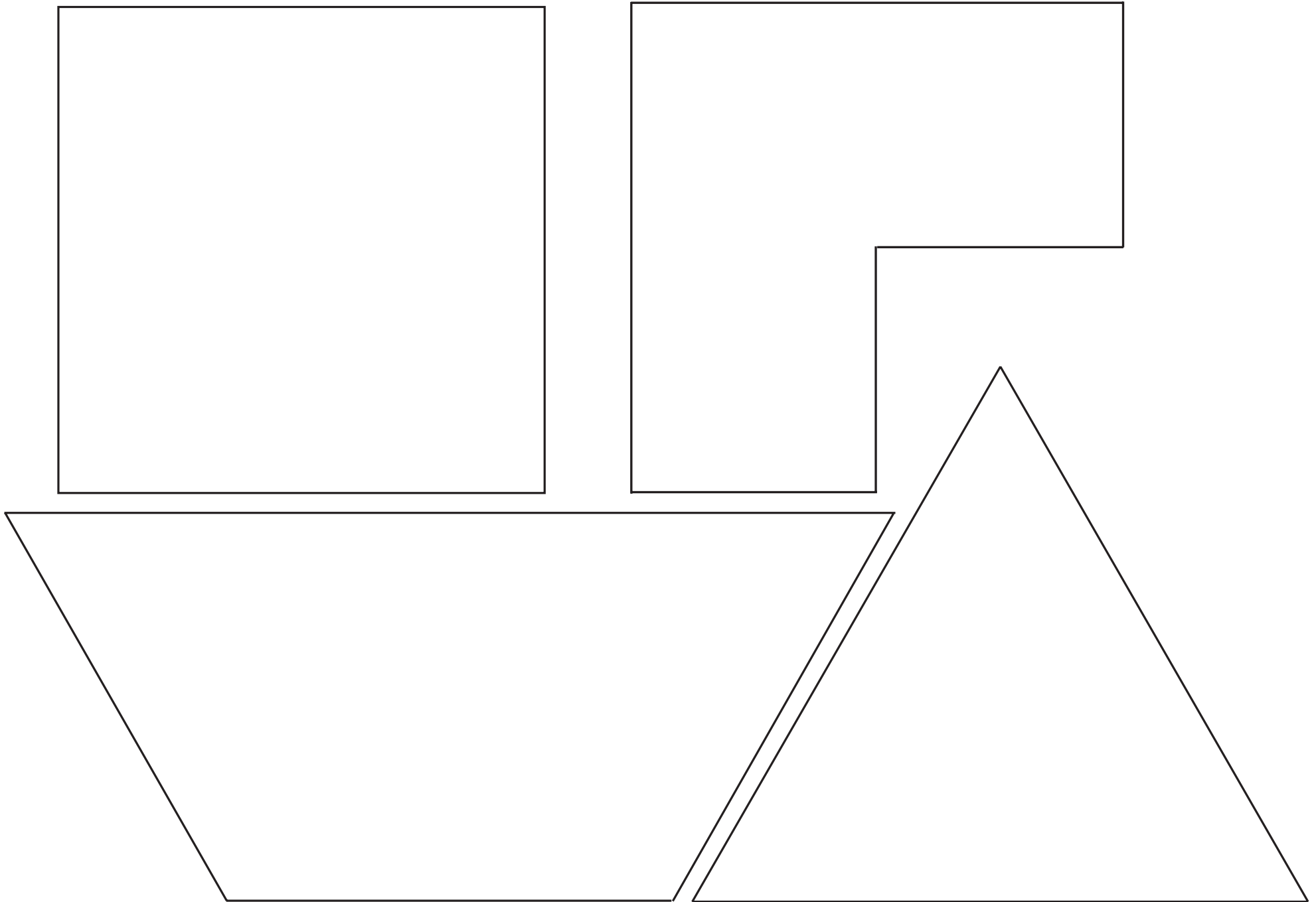


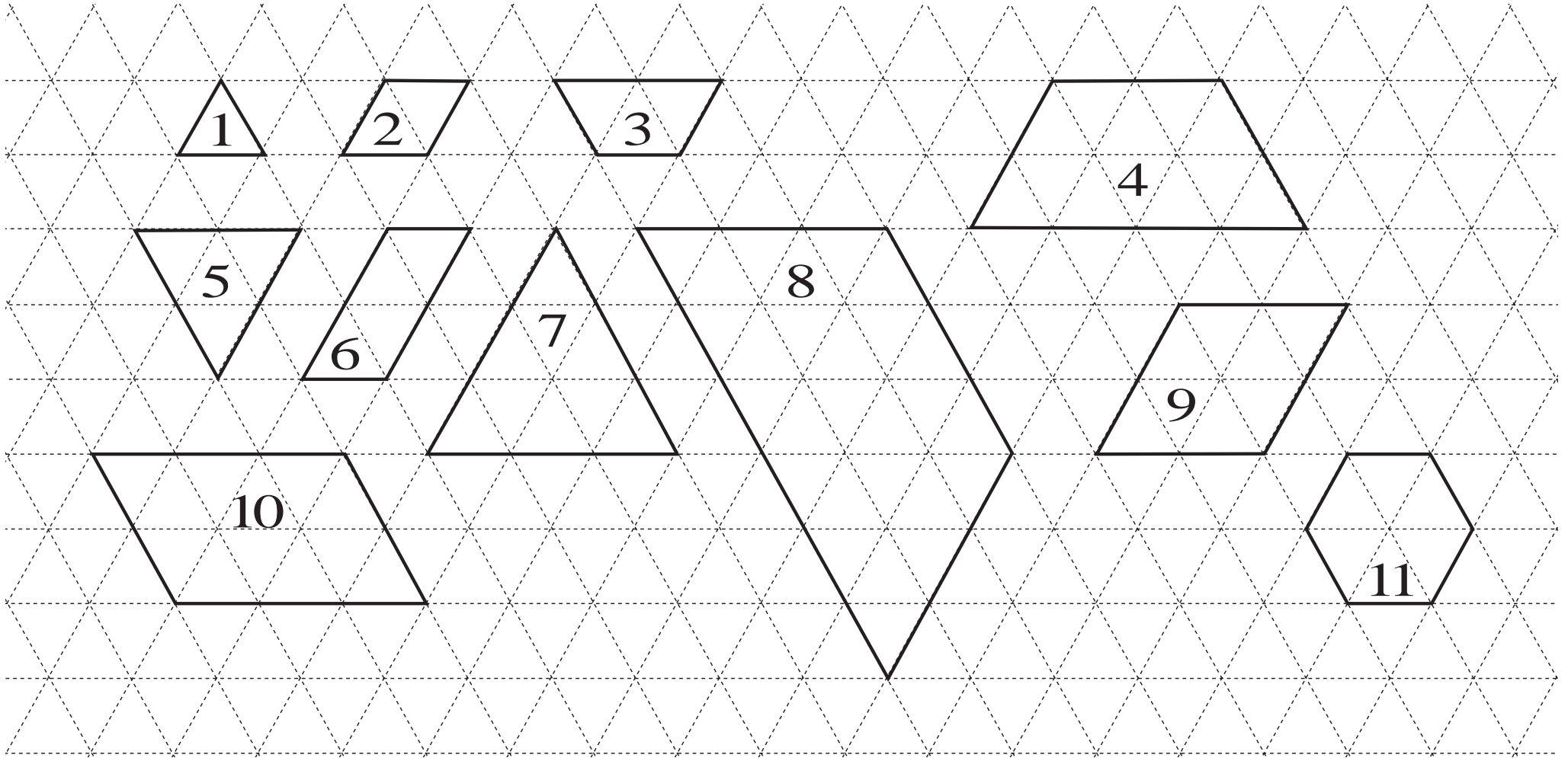




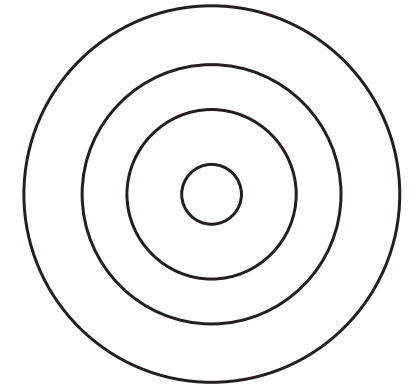
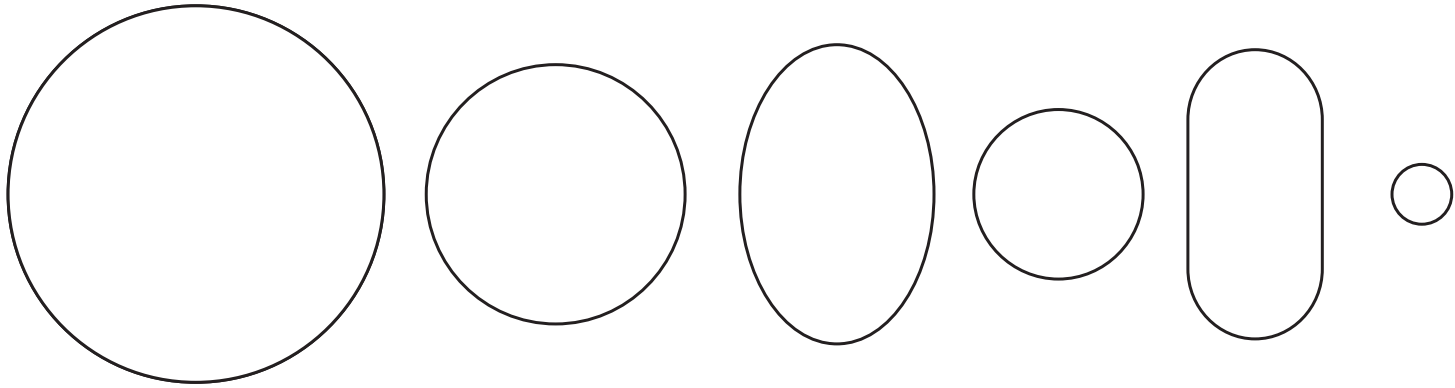




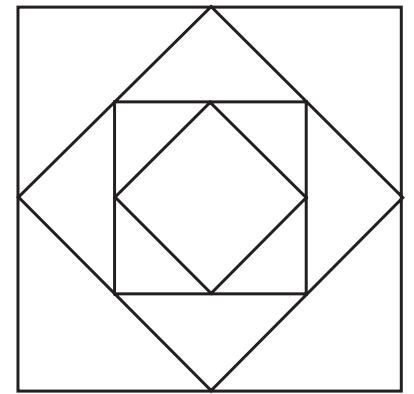
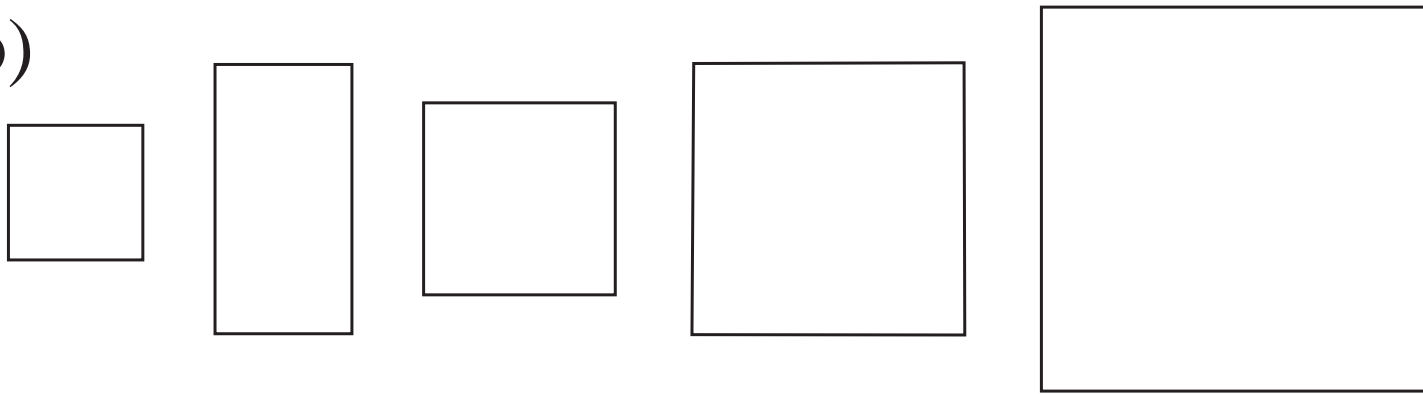




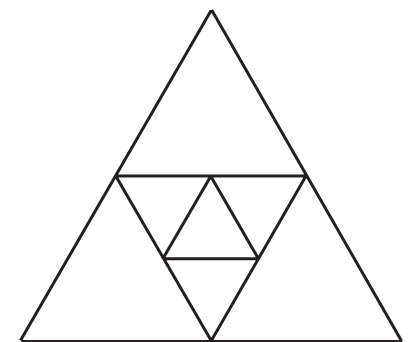
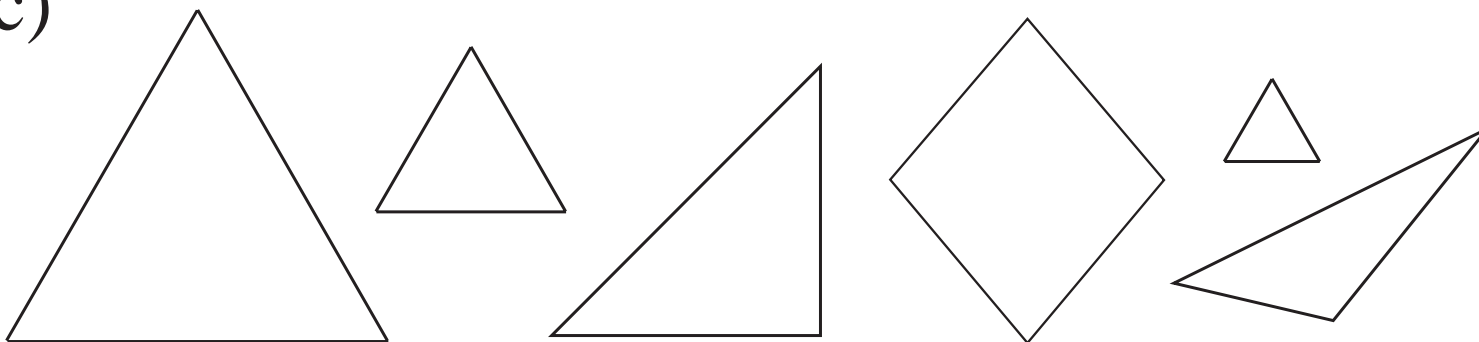
a)

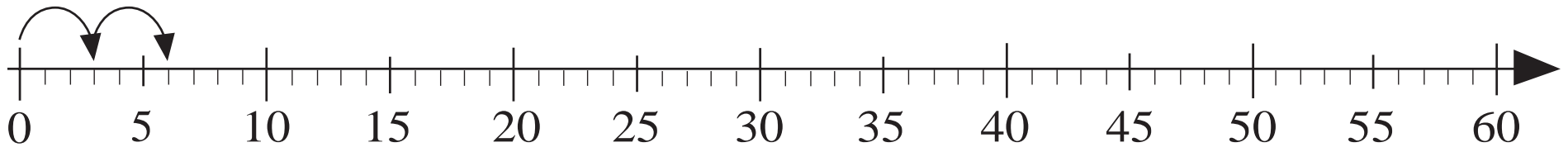
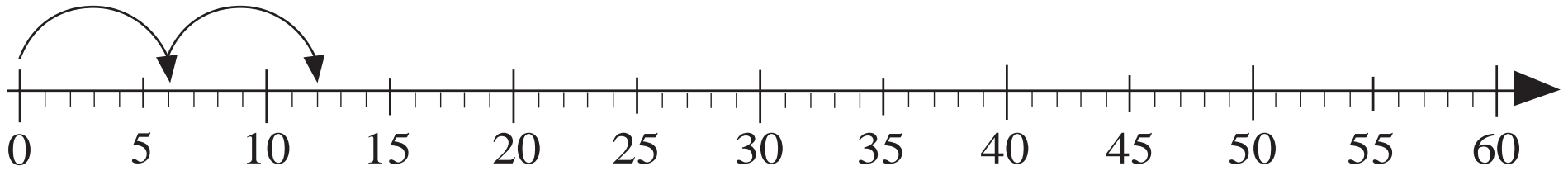


b)



c)





Number
of jumps

0

1

2

3

4

5

6



7

8

9

10



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

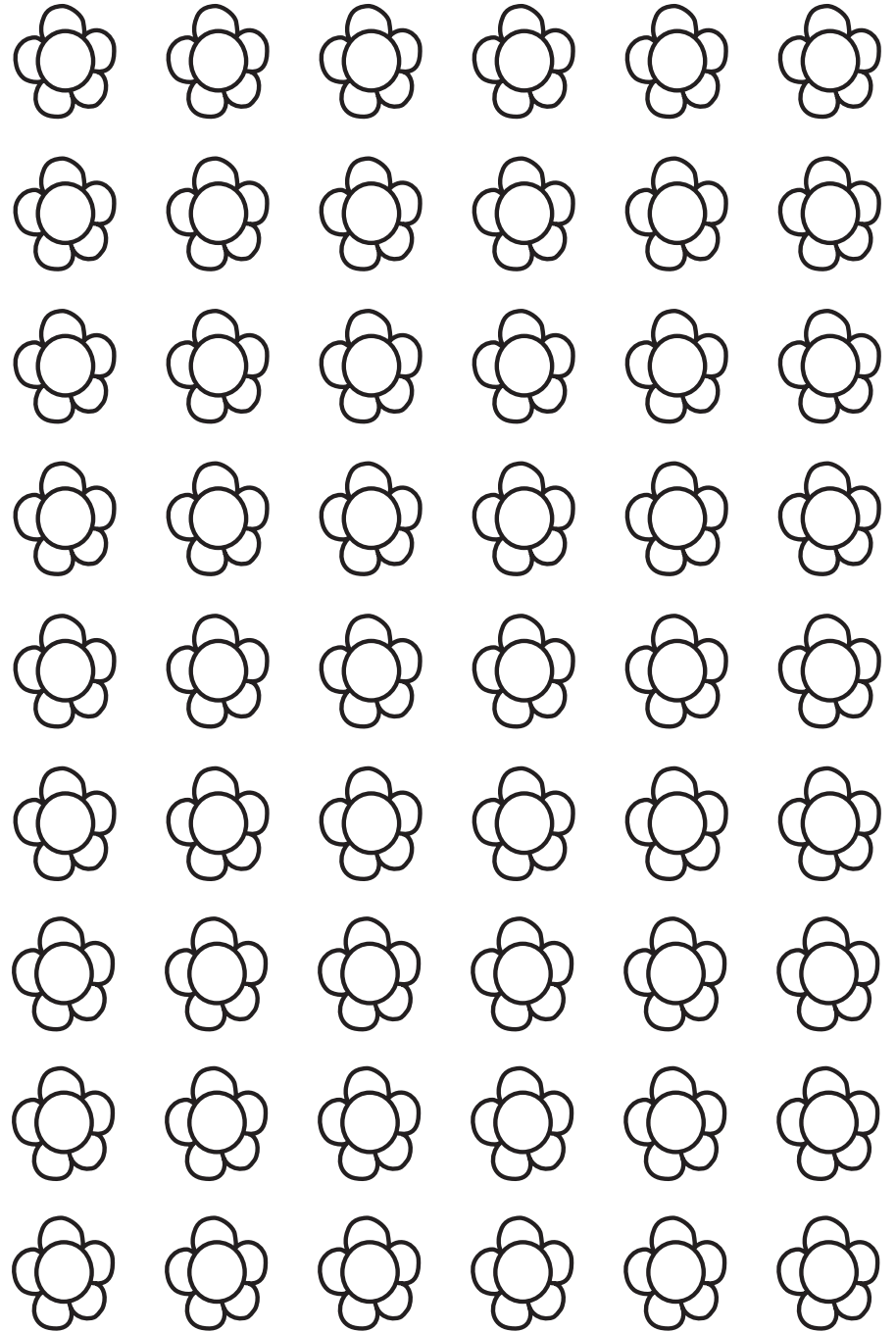
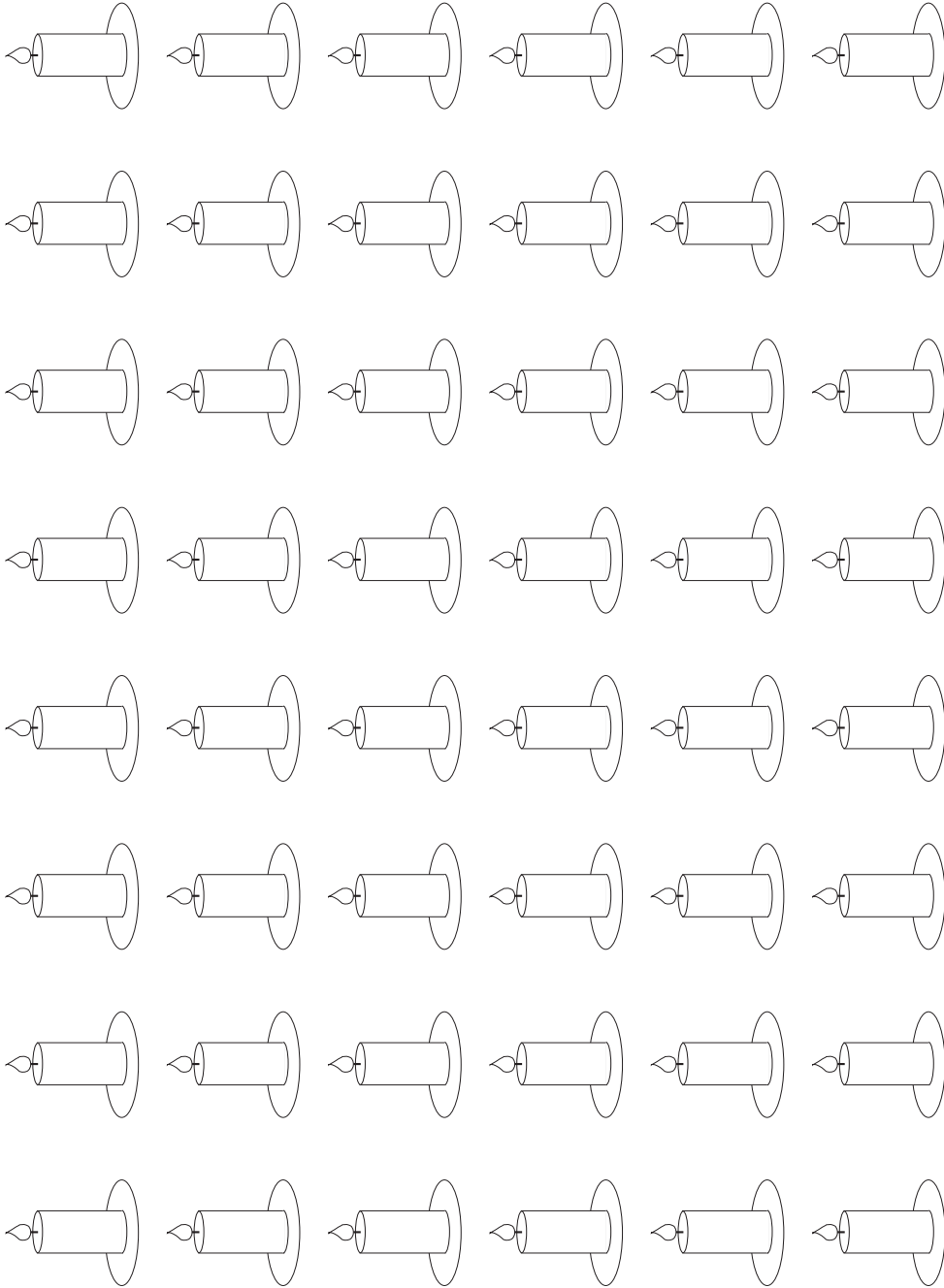
Number

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

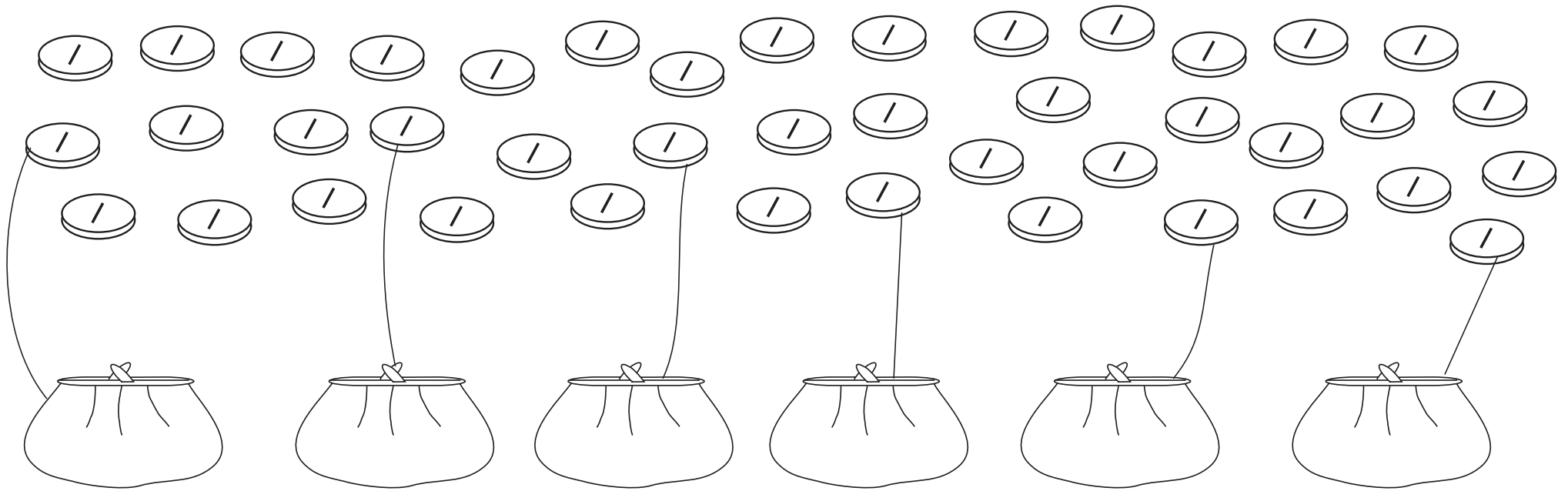
Number of

	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)

$$42 \text{ p} \div 6 = \square \text{ p}$$

b)

6 p is contained in 42 p \square times.



	1	2	4	10	9					
						12				
							9			
								32		
									25	
										42



Colour strips to match colours of Cuisenaire rods



a) 24 plums

remainder					

Check

--

b) 36 plums

remainder					

Check

--

c) 44 plums

remainder					

Check

--

d) 48 plums

remainder					

Check

--

e) 54 plums

remainder					

Check

--

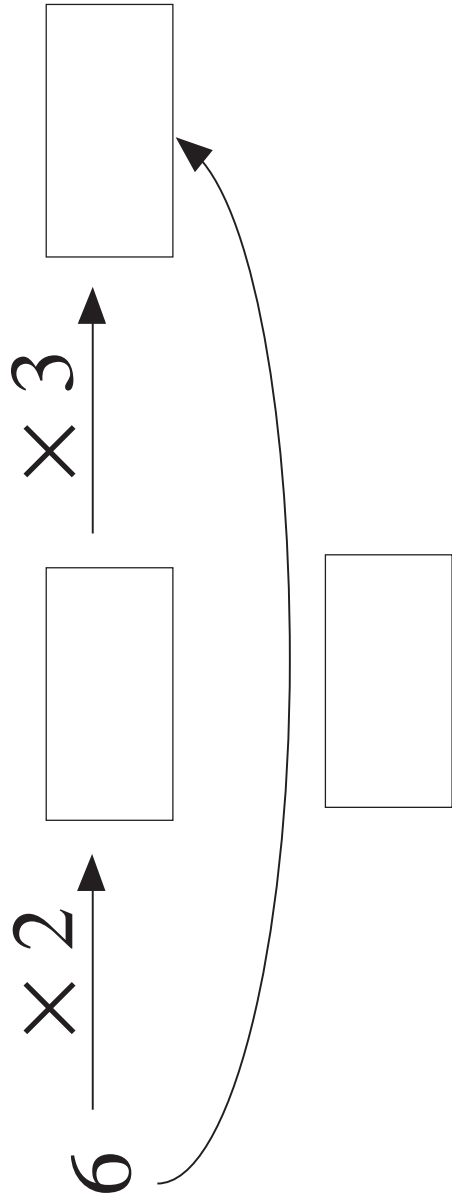
f) 29 plums

remainder					

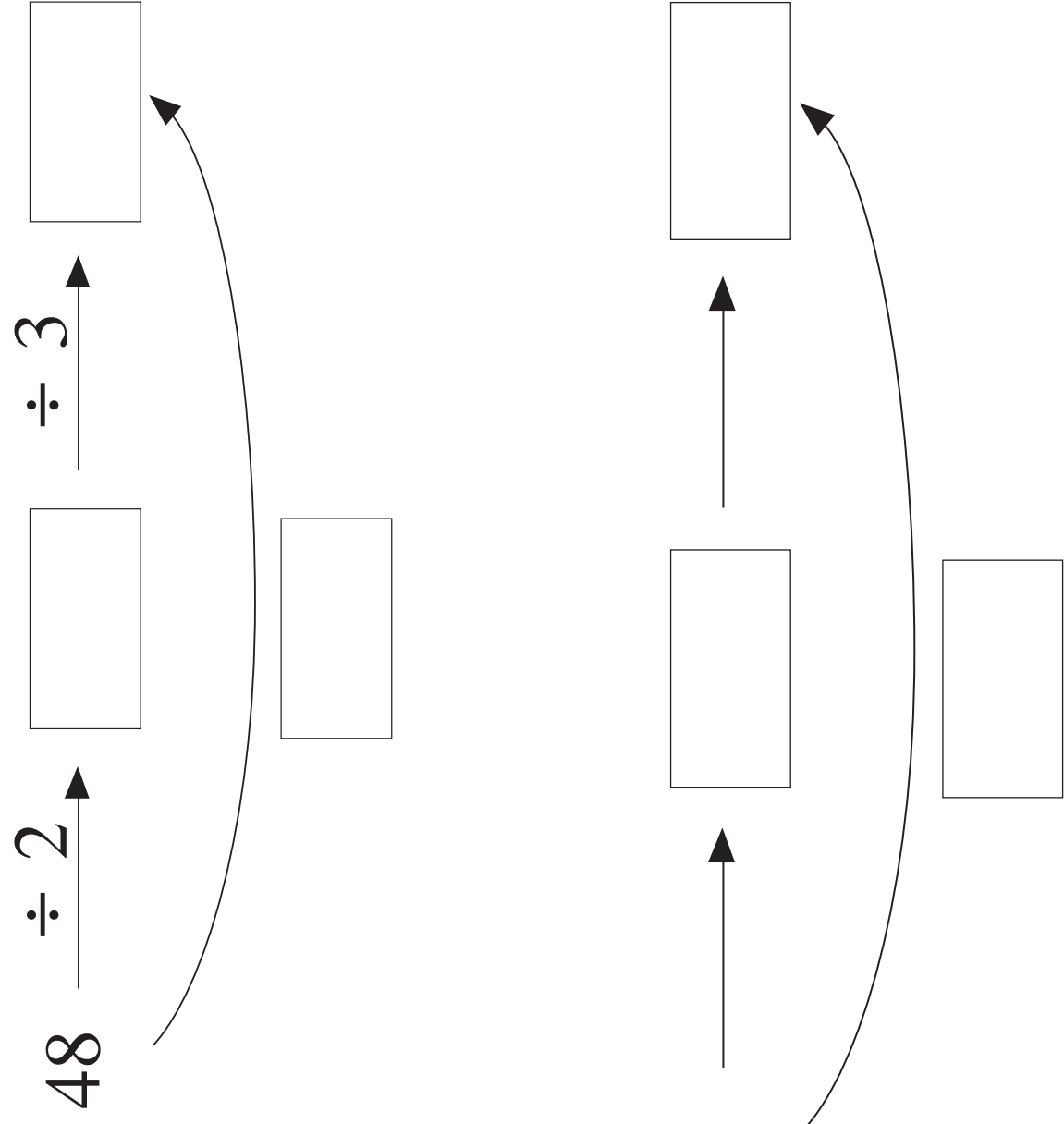
Check

--

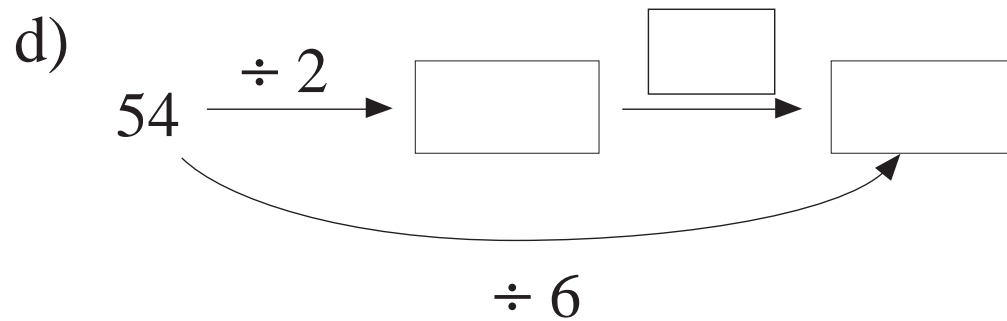
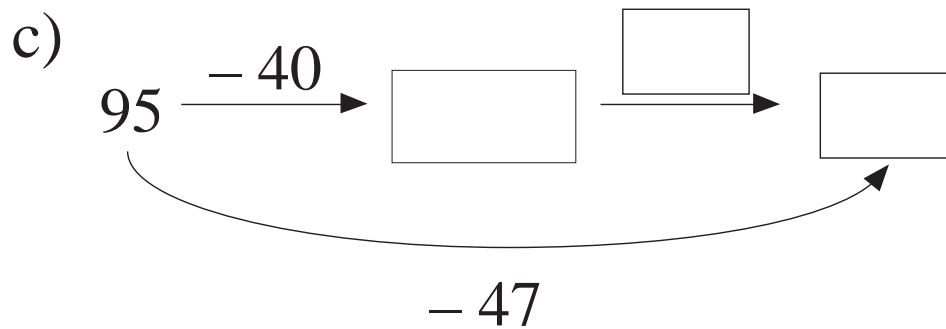
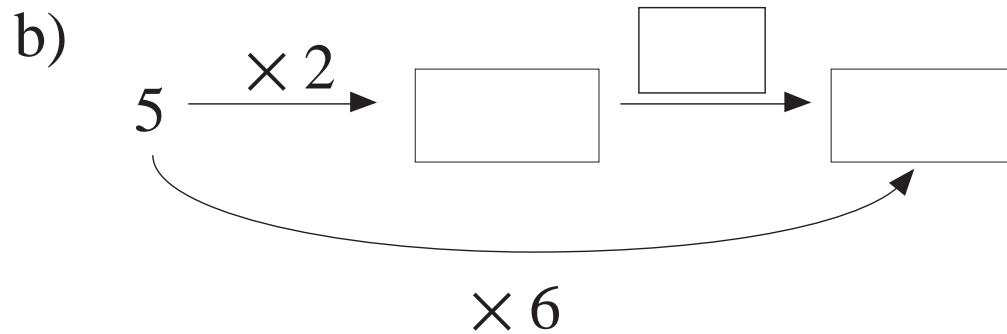
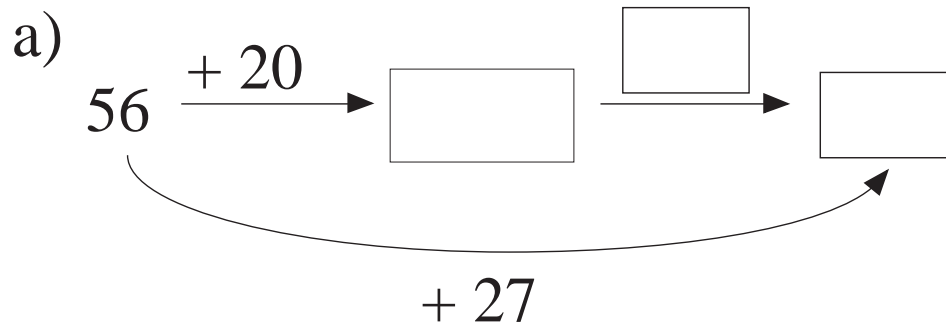
a)



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



$$38 + 20 + 7 =$$

$$5 \times 4 \div 2 =$$

$$81 - 20 + 7 =$$

$$17 + 8 + 40 =$$

$$6 \times 6 \div 3 =$$

$$82 - 6 - 20 =$$

$$5 \times 9 \div 5 =$$

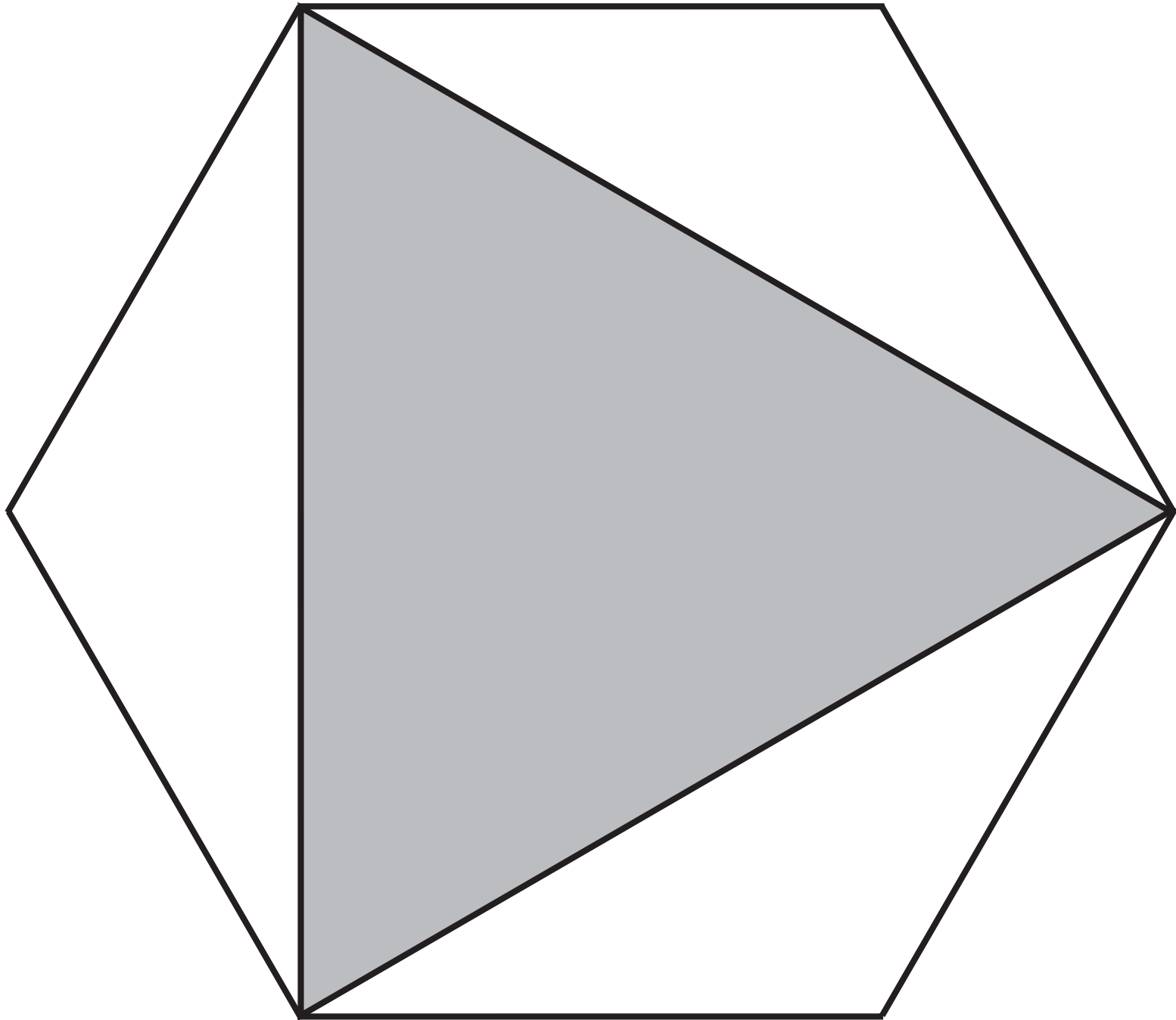
$$4 \times 7 \times 2 =$$

$$75 - 20 + 13 =$$

$$45 - 27 - 6 =$$

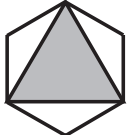


$$4 \div 4 \times 9 =$$

$$12 \div 6 \times 5 =$$



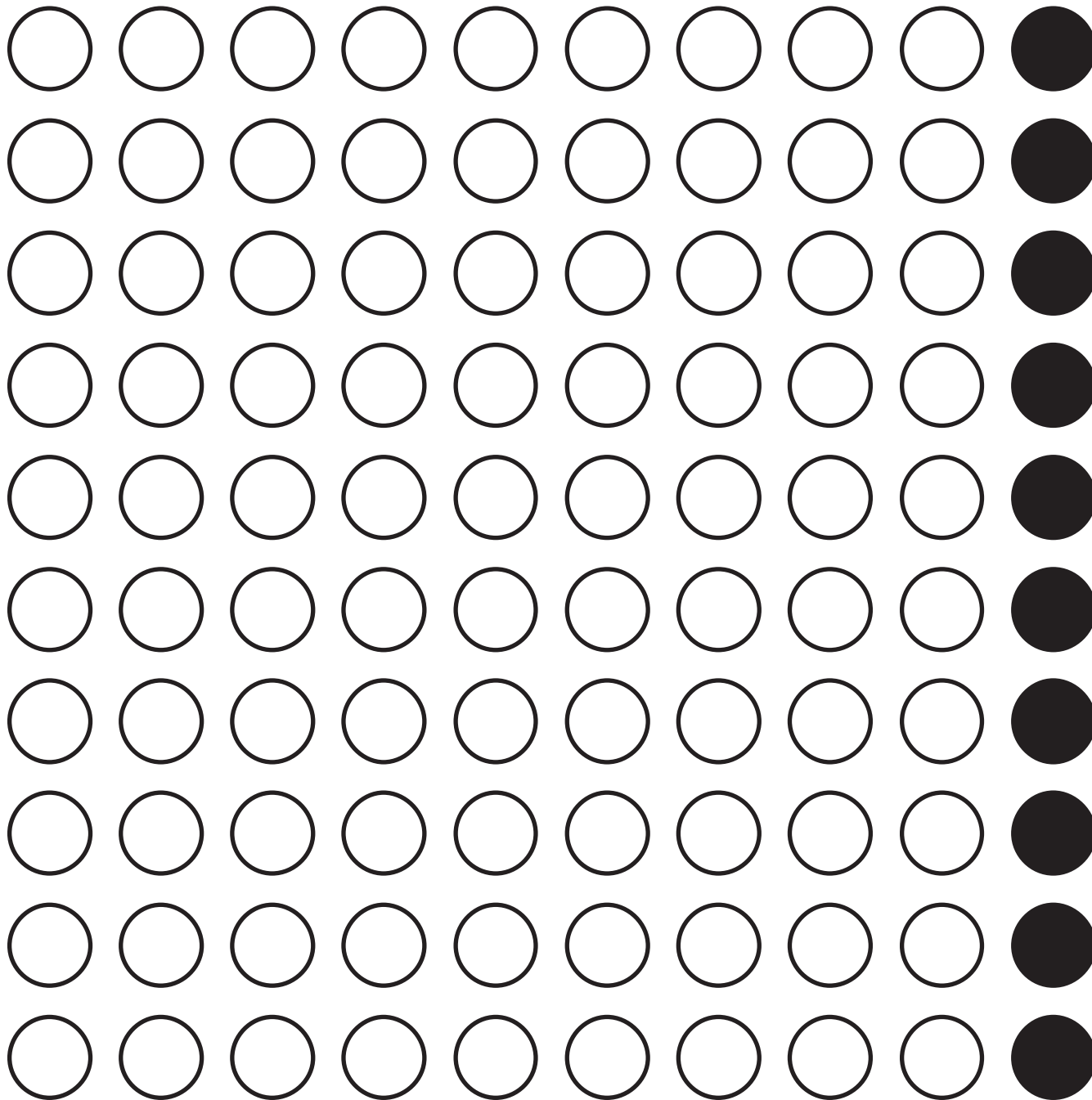
Colour the triangle.

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									

$D = \dots\dots\dots$ $T = \dots\dots\dots$

$H = \dots\dots\dots$ $A = \dots\dots\dots$



Number of

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

○ =

C =

R =

Number of:

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

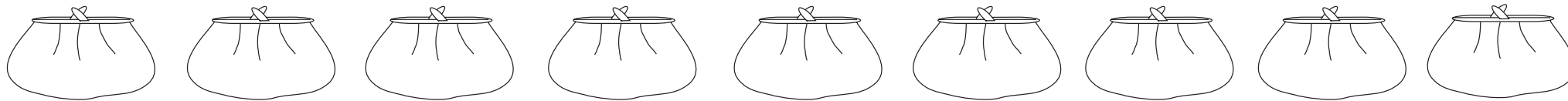
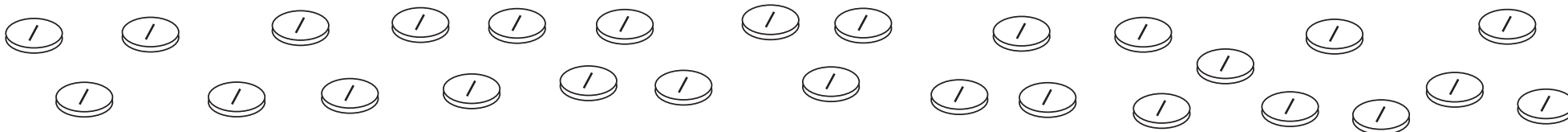
$B = \dots\dots\dots$

$R = \dots\dots\dots$

$Y = \dots\dots\dots$

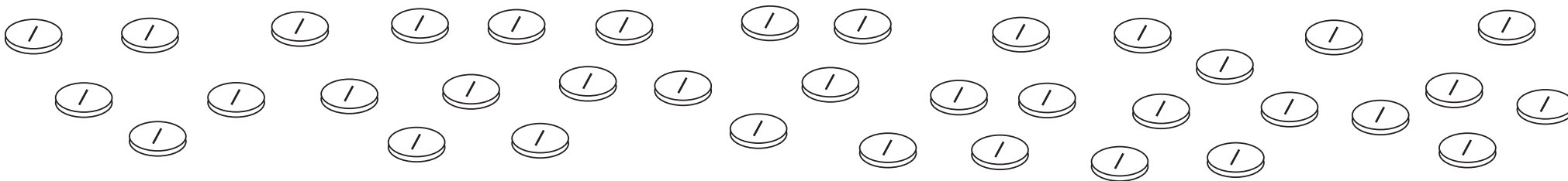
X	0	1	2	3	4	5	6	7	8	9	10
0			0	0	0	0	0				0
1			2	3	4	5	6				10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7			14	21	28	35	42				70
8			16	24	32	40	48				80
9			18	27	36	45	54				90
10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

9 9 9

3 3 3 3 3 3 3 3 3

1 1

6

6

6

Colour the strips. Copy as required.



a) $25 + 6 \times 3 =$

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

$49 - 3 \times 7 =$

$45 \div 9 + 2 \times 4 - 13 =$

$36 - 24 \div 3 =$

$71 - 2 \times 13 + 6 \times 6 =$

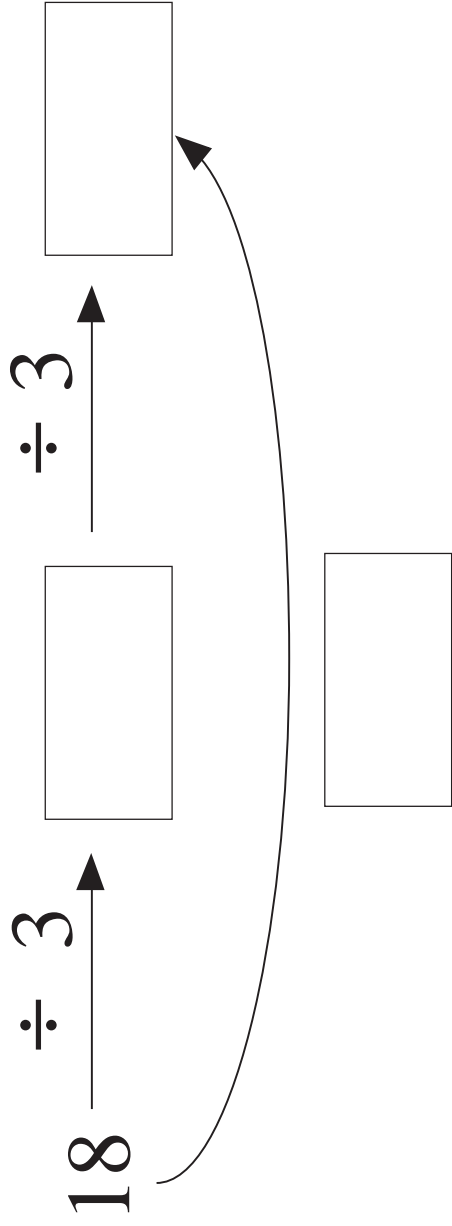
$81 \div 9 + 18 =$

$72 \div 8 + 9 \times 4 - 22 =$

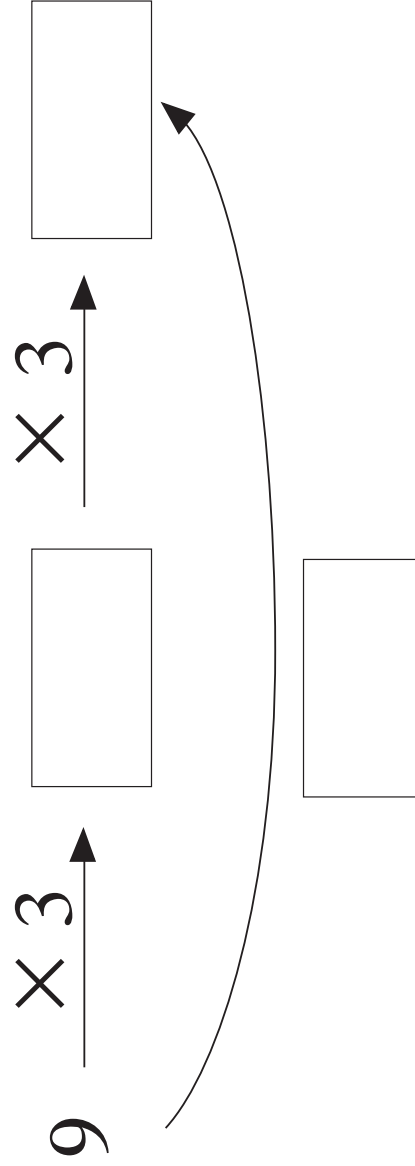
$92 - 36 \div 6 =$

$50 - 5 \times 10 + 5 \times 9 =$

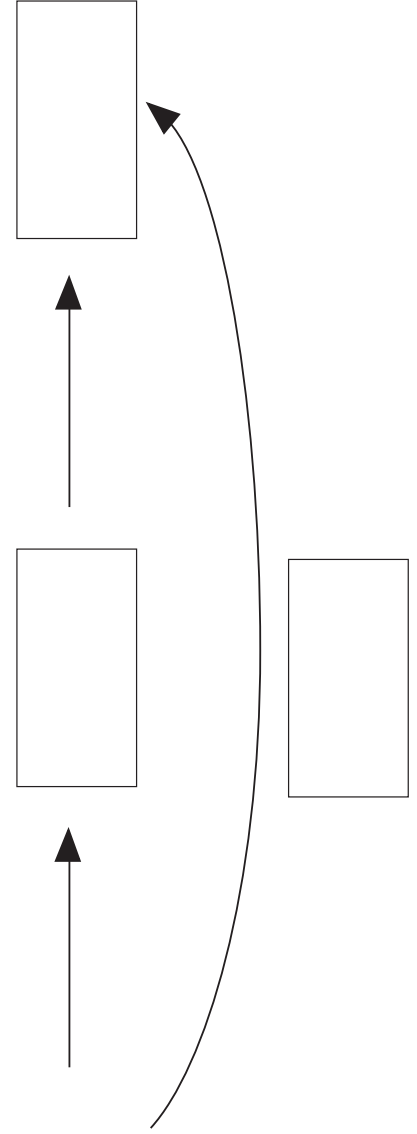
a)



b)



c)



$$\text{a) } 46 + 18 + 24 = \boxed{}$$

$$\text{b) } 7 \times 3 \times 3 = \boxed{}$$

$$63 + 45 - 15 = \boxed{}$$

$$25 \times 2 \div 5 = \boxed{}$$

$$31 - 18 + 27 = \boxed{}$$

$$6 \times 9 \div 3 = \boxed{}$$

$$73 - 32 - 23 = \boxed{}$$

$$90 \div 9 \div 5 = \boxed{}$$

$$5 \times 10 - 5 =$$

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

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

$$5 \times 8 + 5 =$$

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

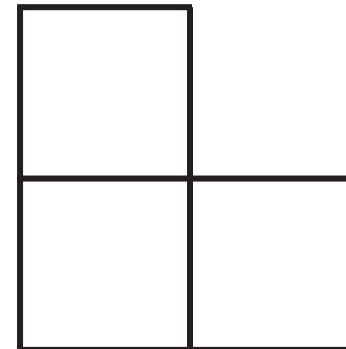
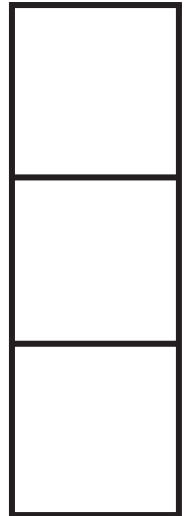
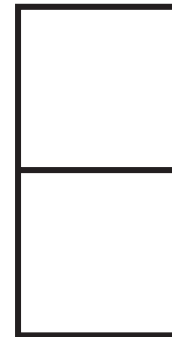
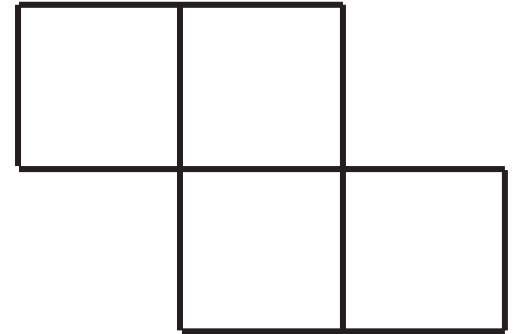
$$10 \times 8 - 8 =$$

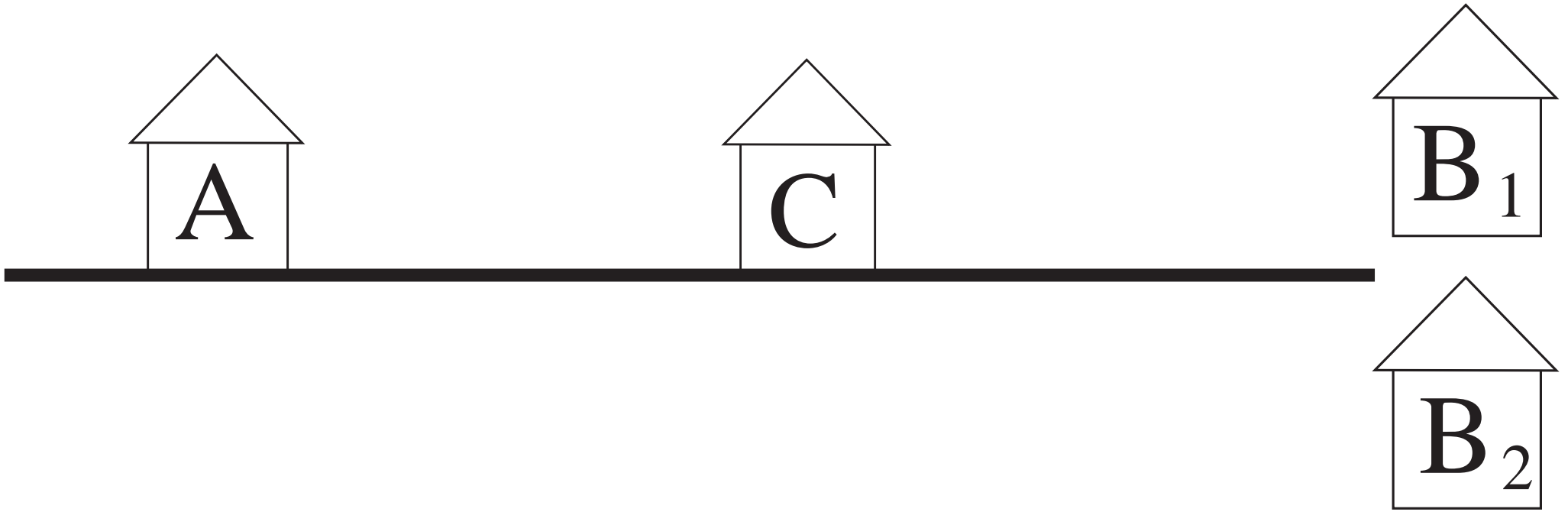
$$3 \times 9 + 2 \times 9 =$$

$$6 \times 9 - 9 =$$

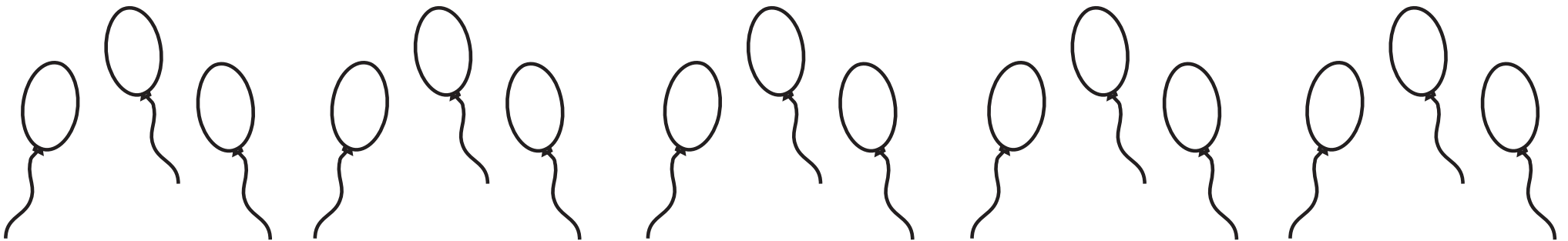
$$4 \times 9 + 4 \times 9 =$$

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 131/6



LP 133/6

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

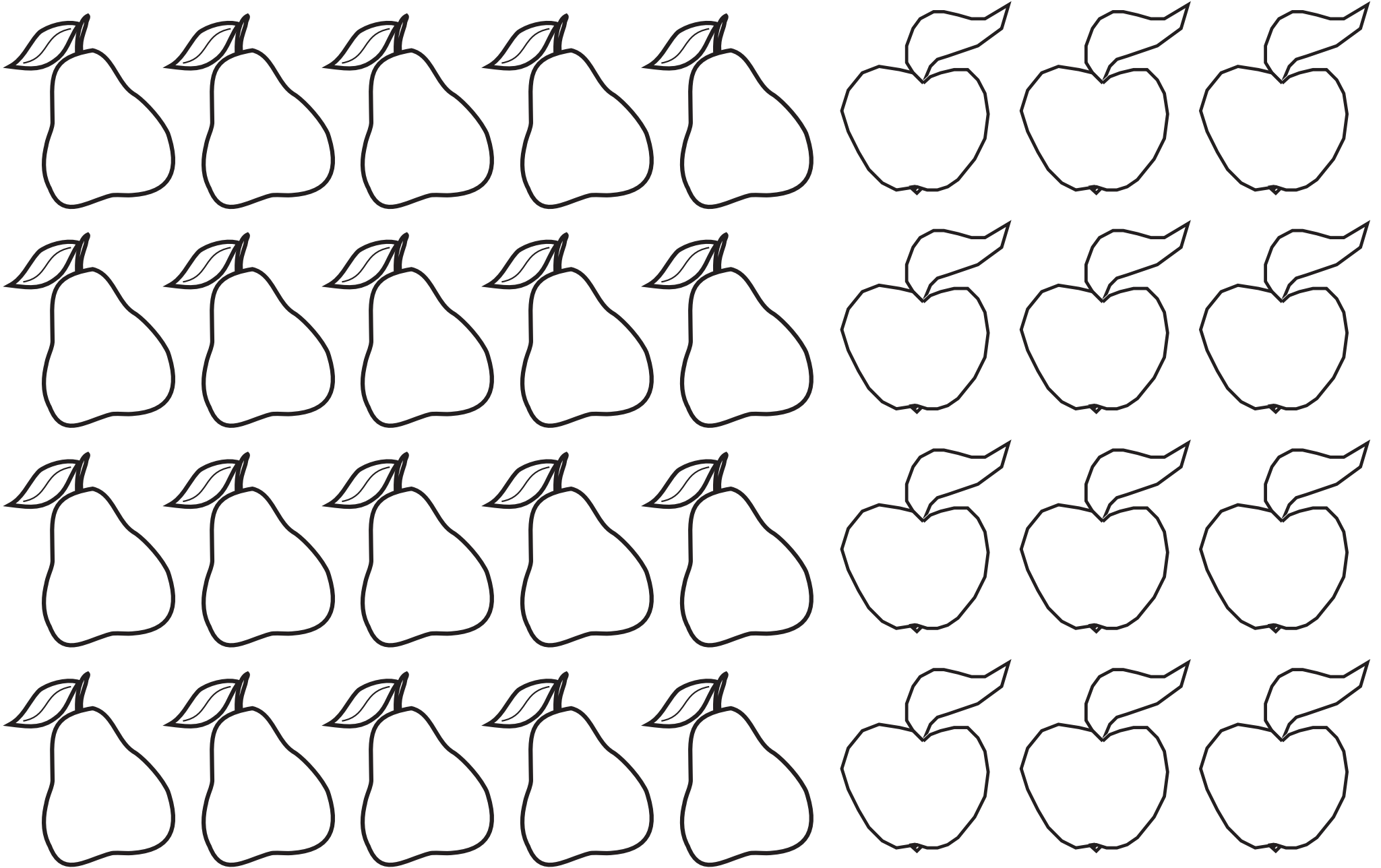
$$47 - (25 - 8) =$$

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

$$47 + 25 - 8 =$$

$$47 - 25 - 8 =$$

$$47 - 25 + 8 =$$



a) Number of rows:

Pieces of fruit in each row: $(\text{} + \text{)}$

Pieces of fruit in 4 rows:

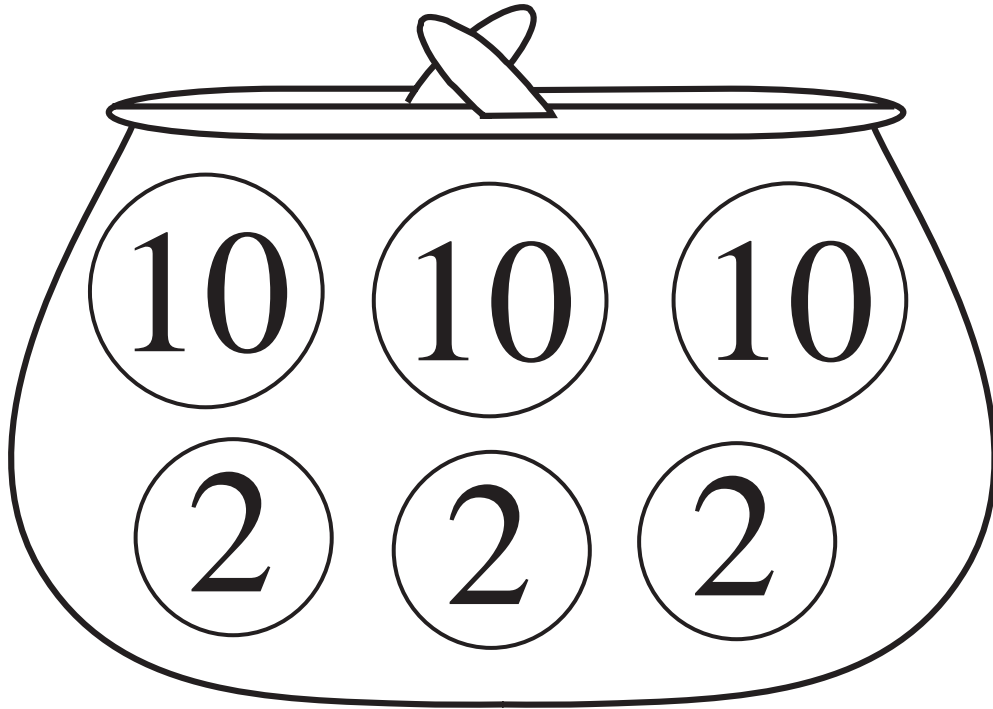
$$4 \times (\text{} + \text{} = \text{} \text{$$

b) Number of pears: \times

Number of apples: \times

Number of pieces of fruit altogether:

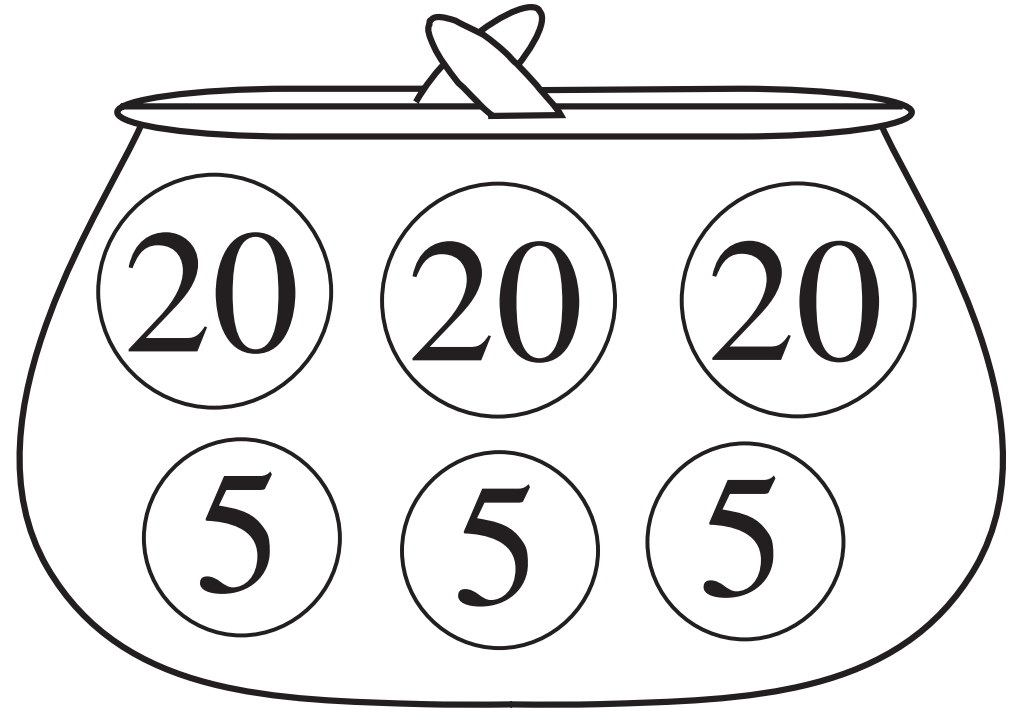
$$\text{} \times \text{} + \text{} \times \text{} = \text{} \text{ } + \text{} \text{ } = \text{} \text{$$



$$3 \times 10 + 2 =$$

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

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

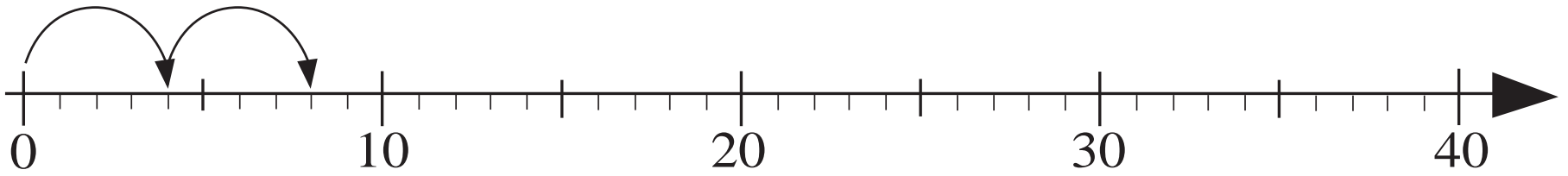


$$3 \times 5 + 20 =$$

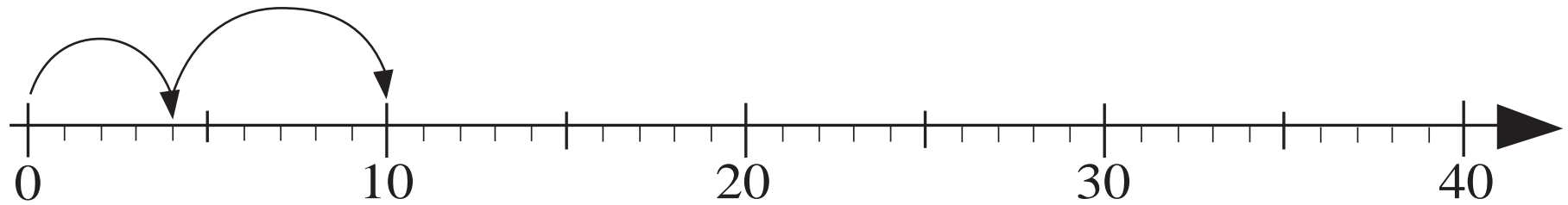
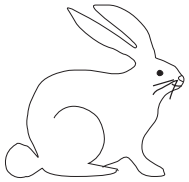
$$3 \times 10 + 3 \times 2 =$$

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

a)



b)



$$21 \div 3 - 9 \div 3 = \text{?}$$

$$21 - 9 \div 3 = \text{?}$$

$$(21 - 9) \div 3 = \text{?}$$

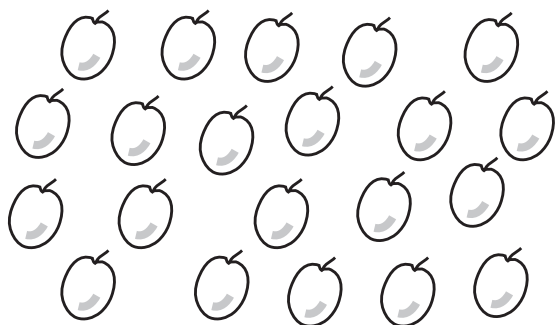
$$21 - 9 = \text{?}$$

$$21 - 9 = \text{?} \times 3$$

$$21 \div 3 - \text{?} = 9 \div 3$$

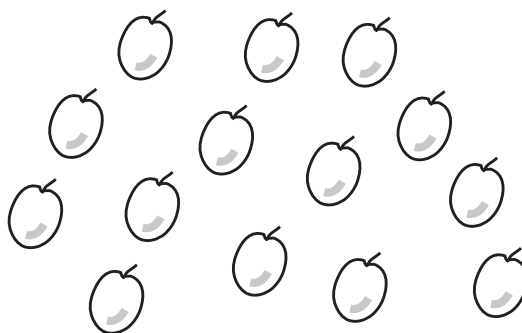
LP 134/7

Julie



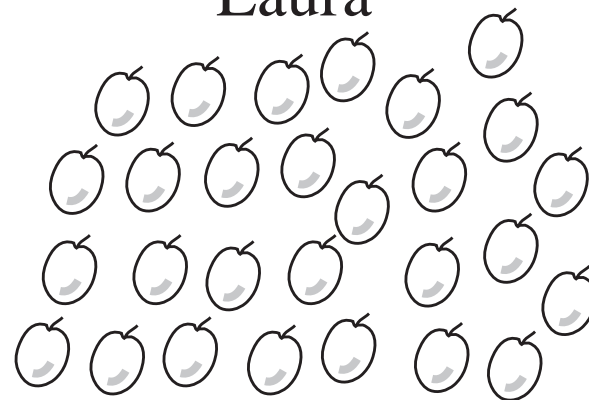
--	--	--	--	--	--

Kate

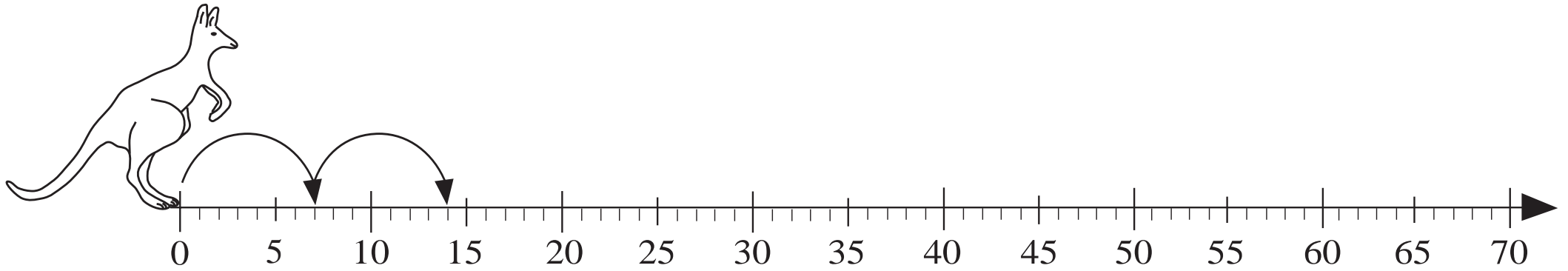


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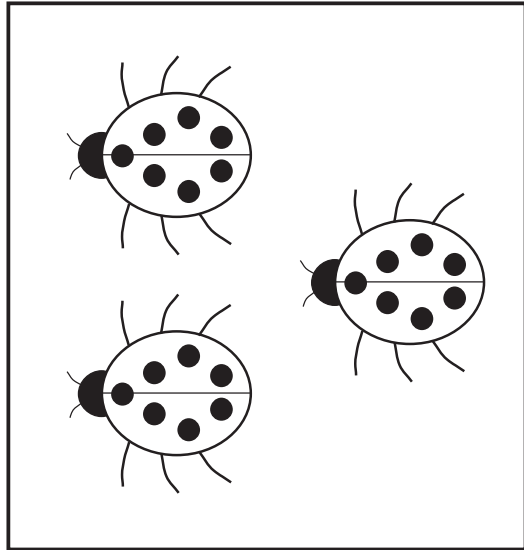
Laura



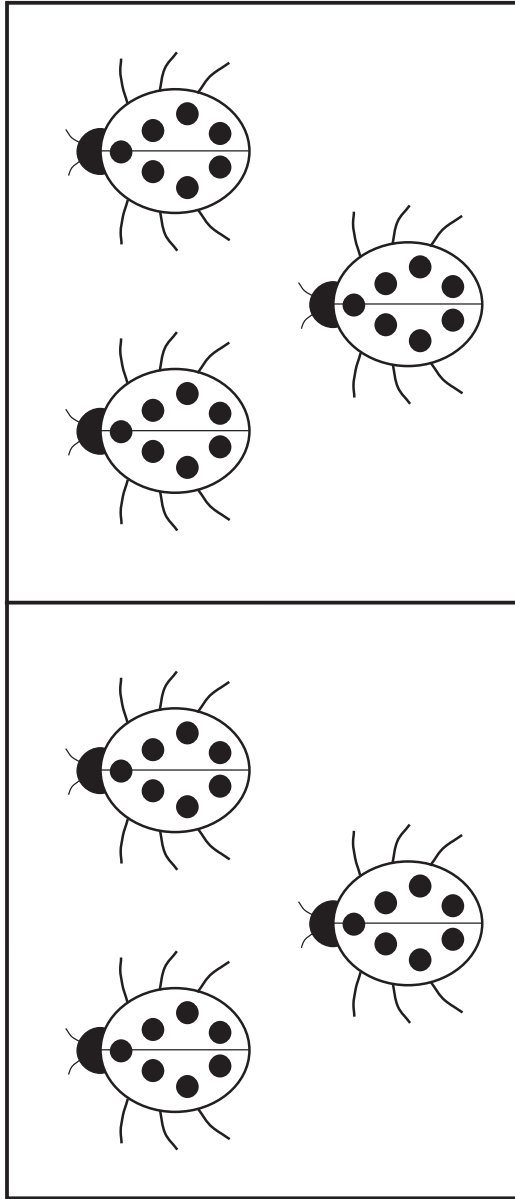
--	--	--	--	--	--



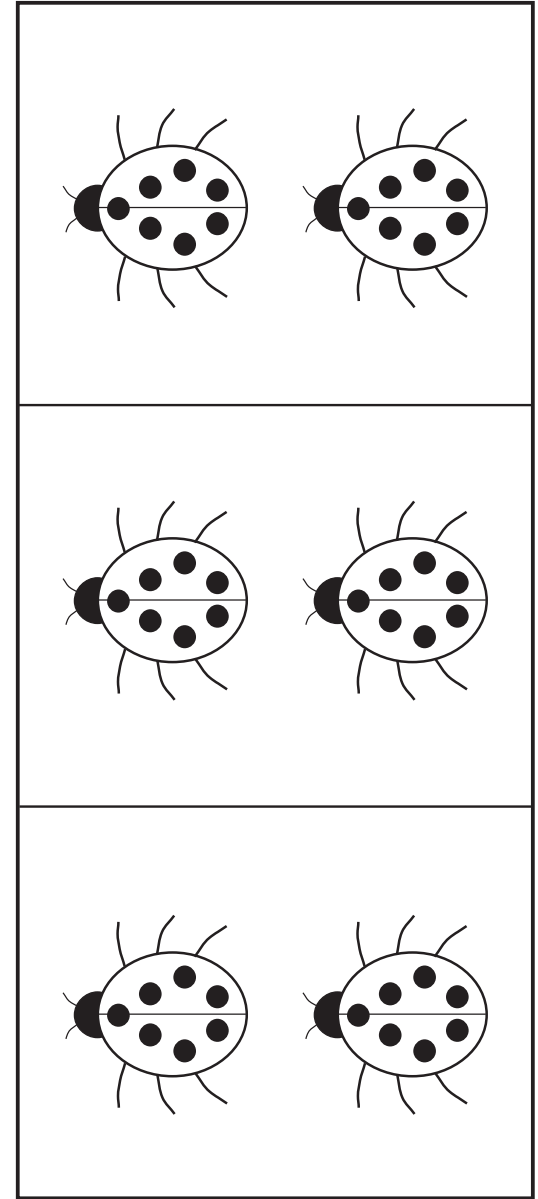
Number of jumps	0	1	2	3	4	5	6	7	8	9	10
Number reached	0	7									



a)



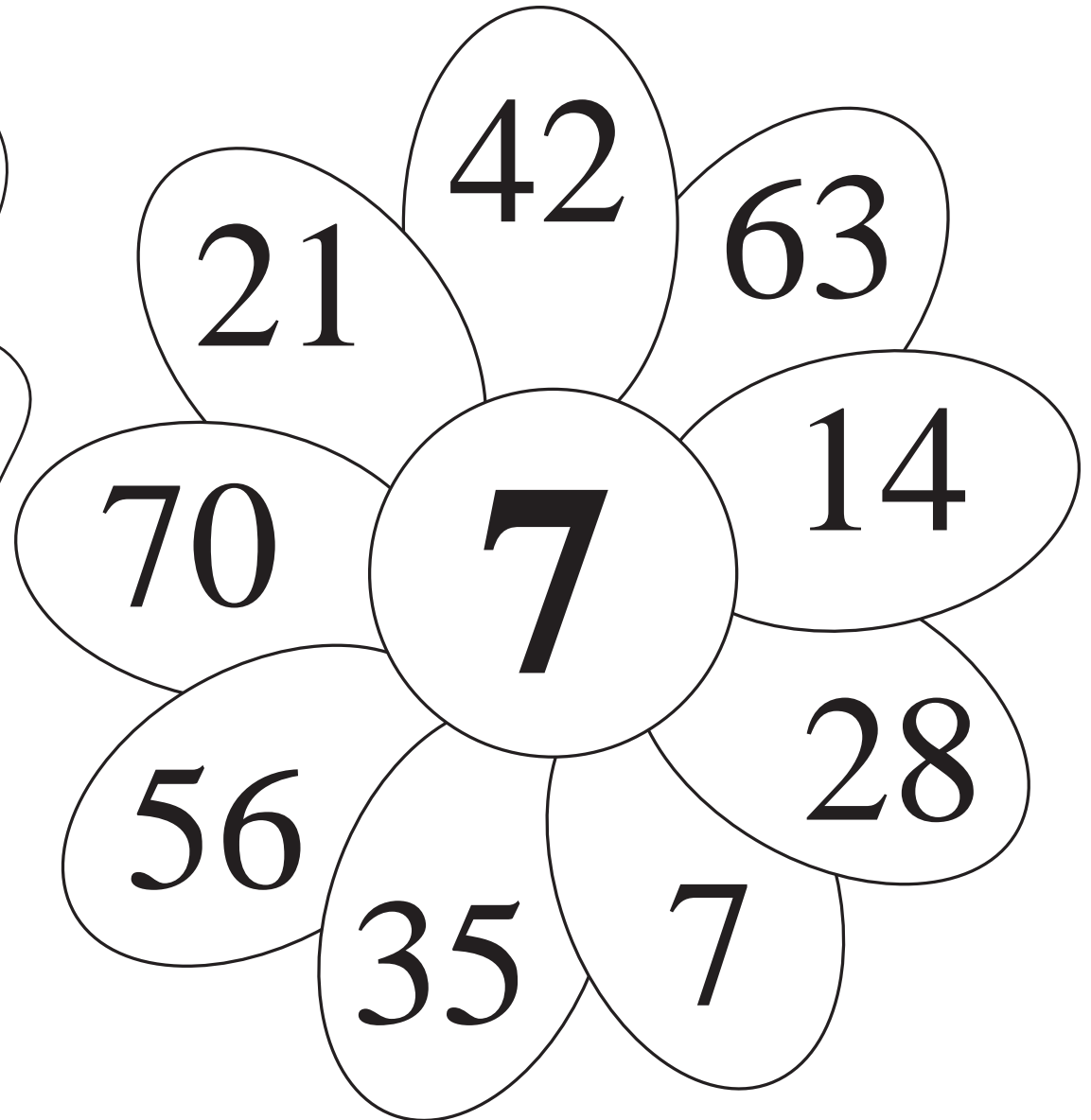
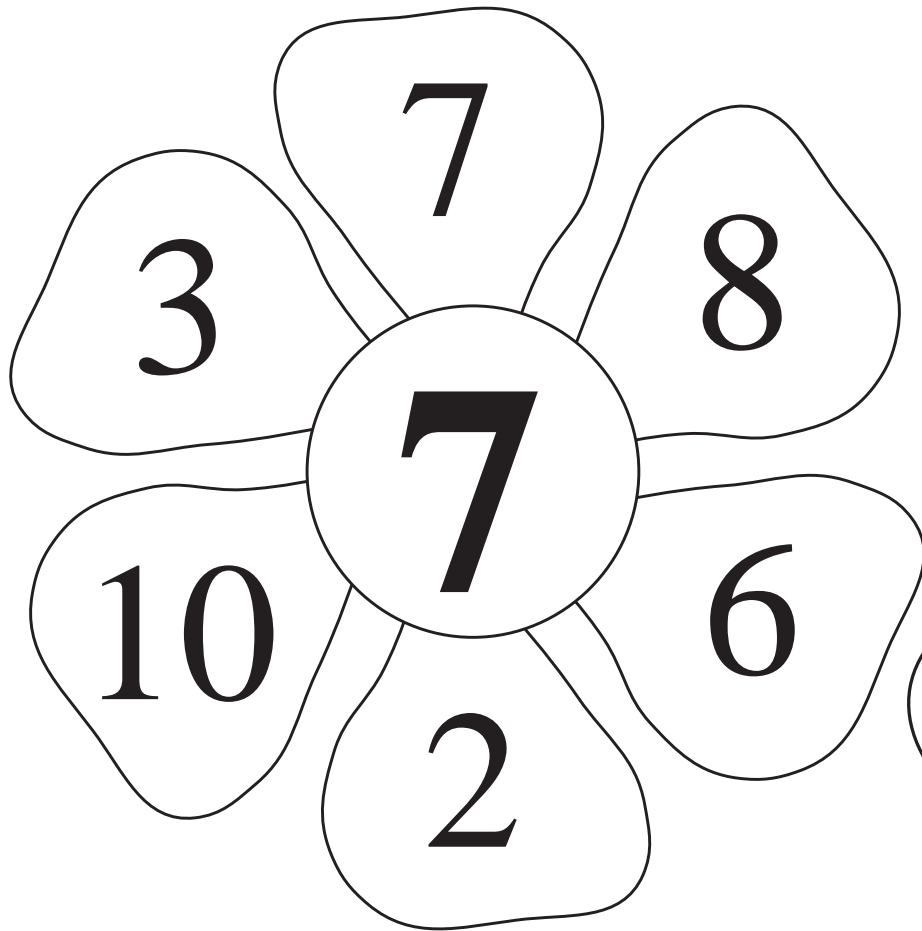
b)



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

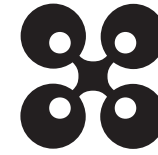
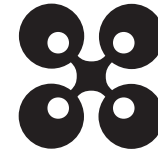
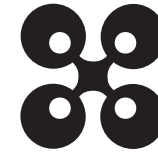
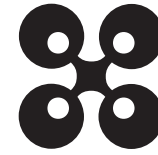
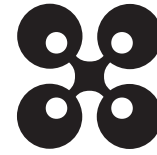
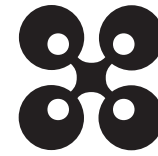
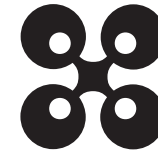
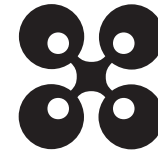
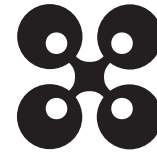
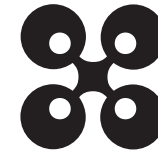
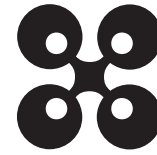
\square :

b) $6 \times \text{pentagon} + 13 < 55$

pentagon :

c) $6 \times \text{semicircle} + 13 > 55$

semicircle :



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

$W = \dots\dots\dots$
 $D = \dots\dots\dots$

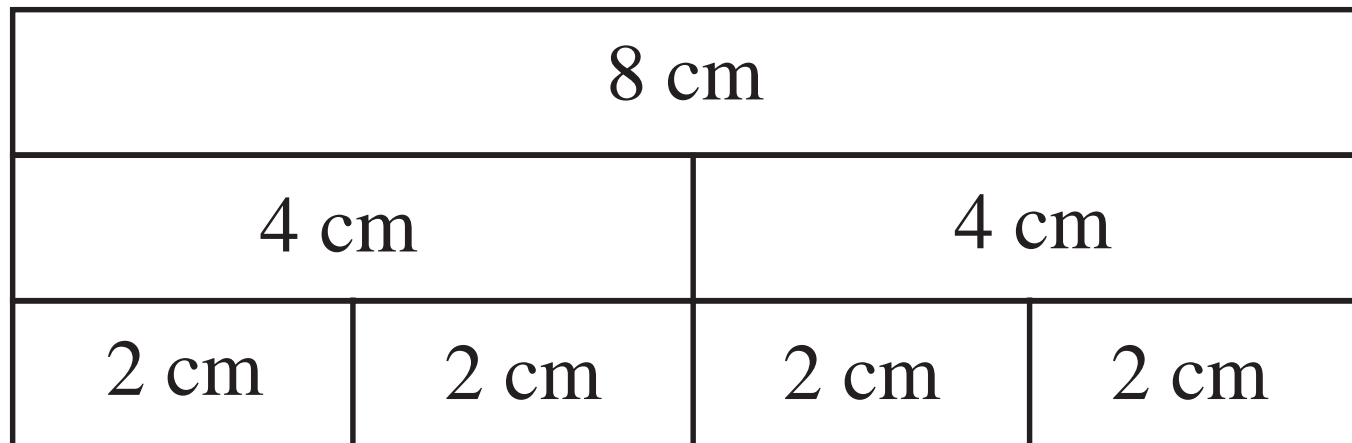
LP 137/3

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

LP 137/7

Number of:

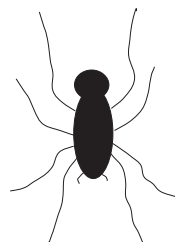
strips	0	1	2	3	4	5	6	7	8	9	10
2 cm strips	0	2									
4 cm strips	0	4									
8 cm strips	0	8									



Number of

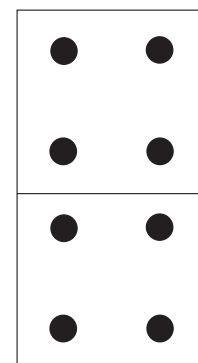
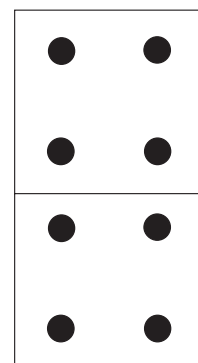
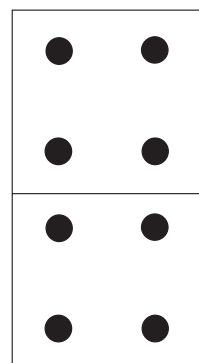
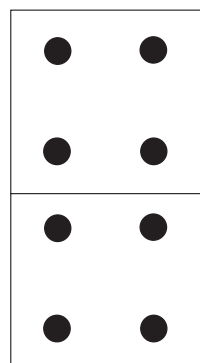
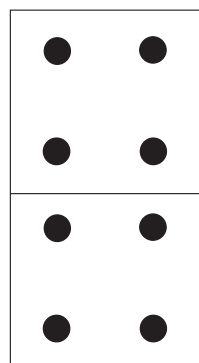
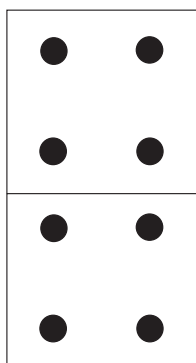
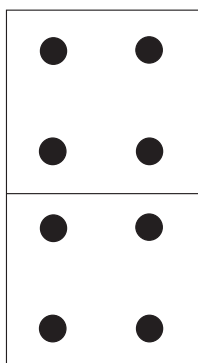
Spiders	0	2	4	6	8	10	9	7	5	3	1
Legs	0										

$S = \dots\dots\dots$

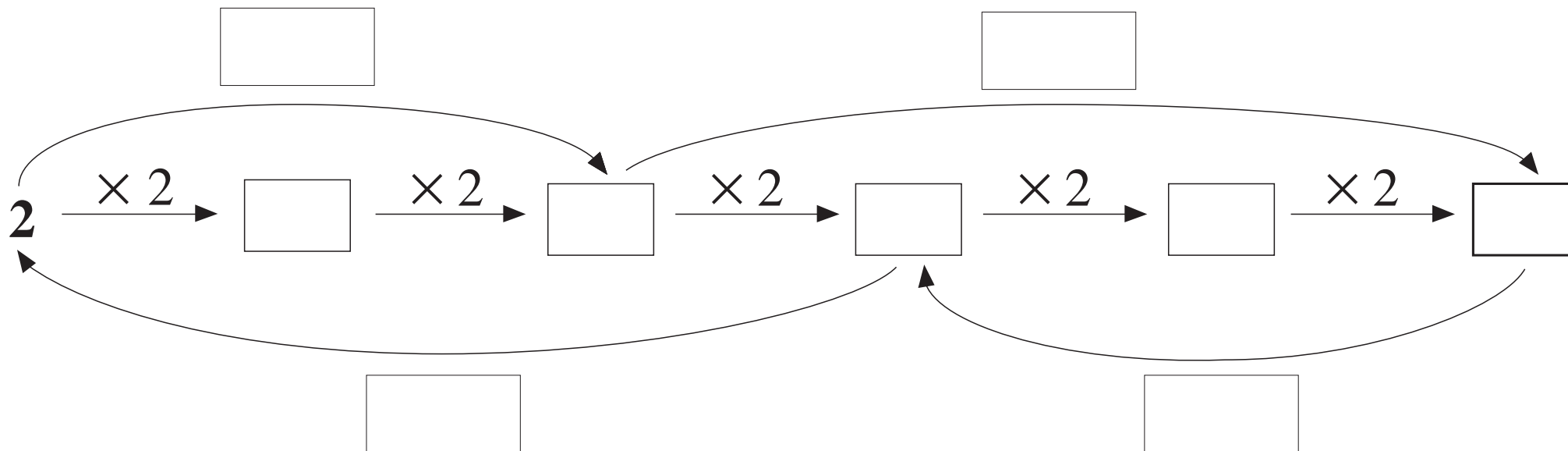


$L = \dots\dots\dots$

LP 138/2



LP 138/3



LP 138/6

Number of:



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



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

$$4 \times 8 - 2$$

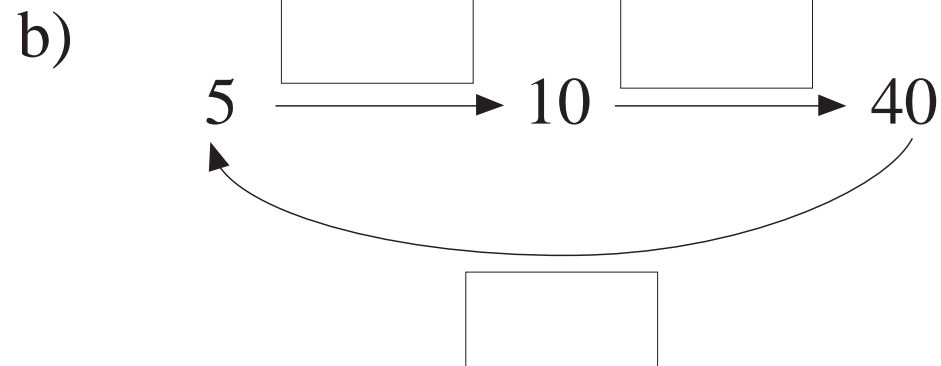
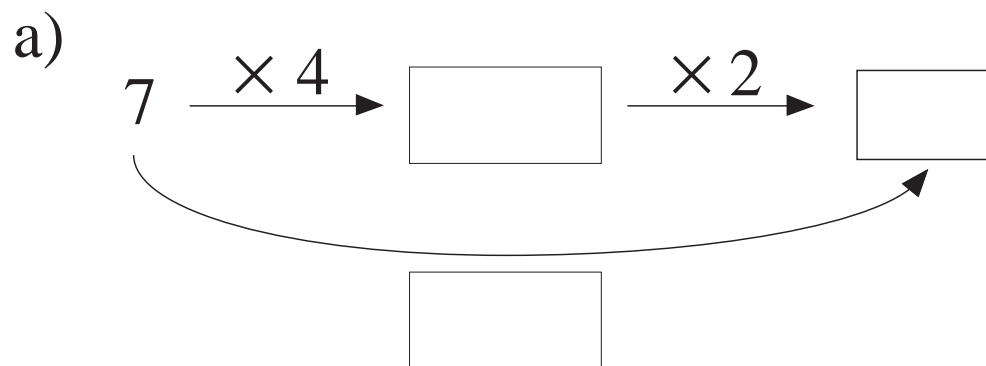
$$3 \times 8 + 5$$

$$48 \div 8 + 1$$

$$64 \div 8 + 11$$

$$32 \div 8 + 7$$

$$5 \times 8$$



LP 139/6

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

LP 139/7