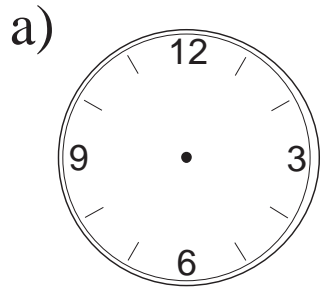


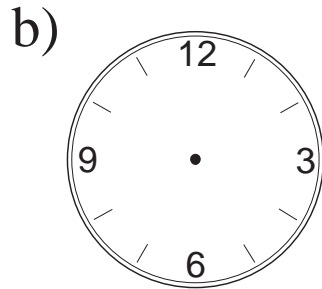
a) $1 \text{ second} < 1 \text{ minute} \times 60$ $\square \times 60$ 1 hour $\square \times \square$ 1 day $\square \times \square$ 1 week

b) $1 \text{ hour} = \square \text{ seconds}$, $1 \text{ month} \approx \square \text{ days}$, $1 \text{ year} \approx \square \text{ weeks}$
 $1 \text{ year} = \square \text{ days}$, $1 \text{ year} = \square \text{ months}$, $1 \text{ day} = \square \text{ hours}$

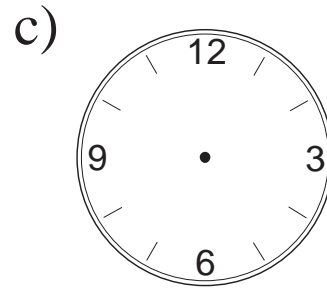
c) $85 \text{ minutes} \square 1 \text{ hour } 25 \text{ minutes}$, $1 \text{ week} = \square \text{ hours}$



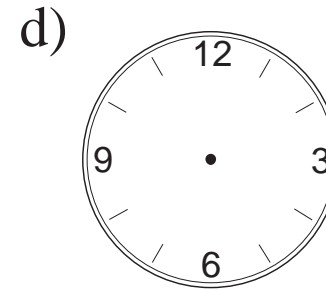
7 hrs 25 min



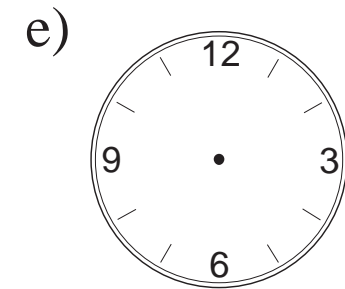
05:55



20 min to 8



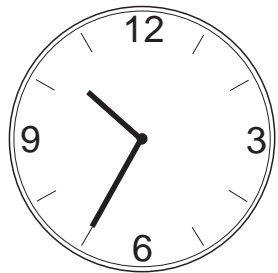
0 hrs 5 min



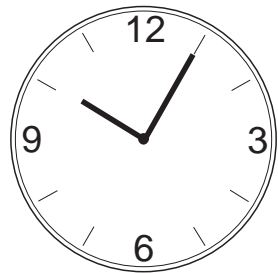
15 h 20 min 45 sec

LP 31/5

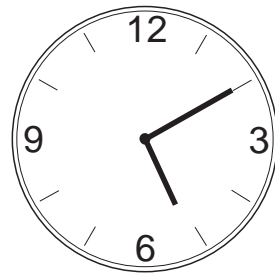
a) morning



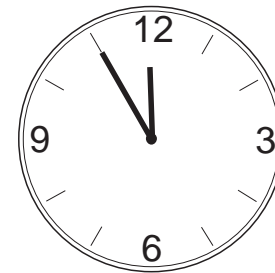
b) evening



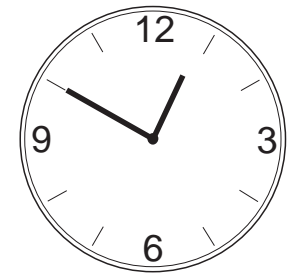
c) afternoon



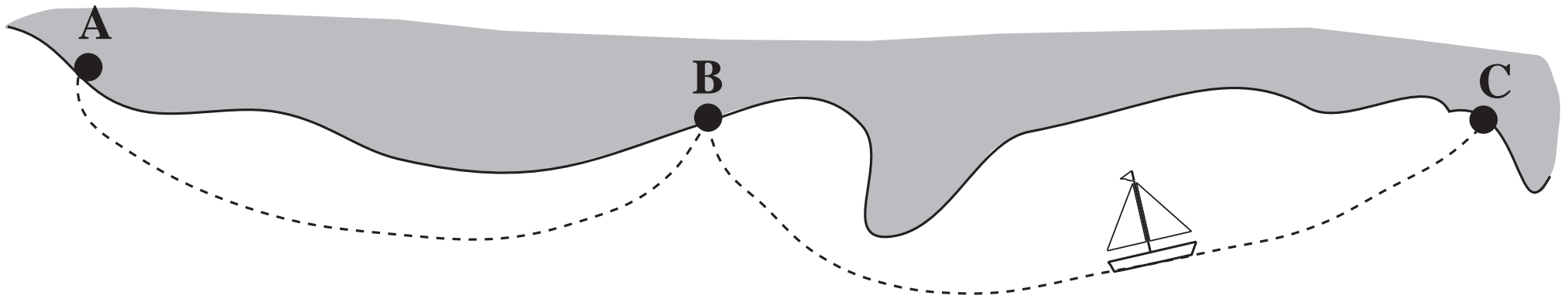
d) night



e) night



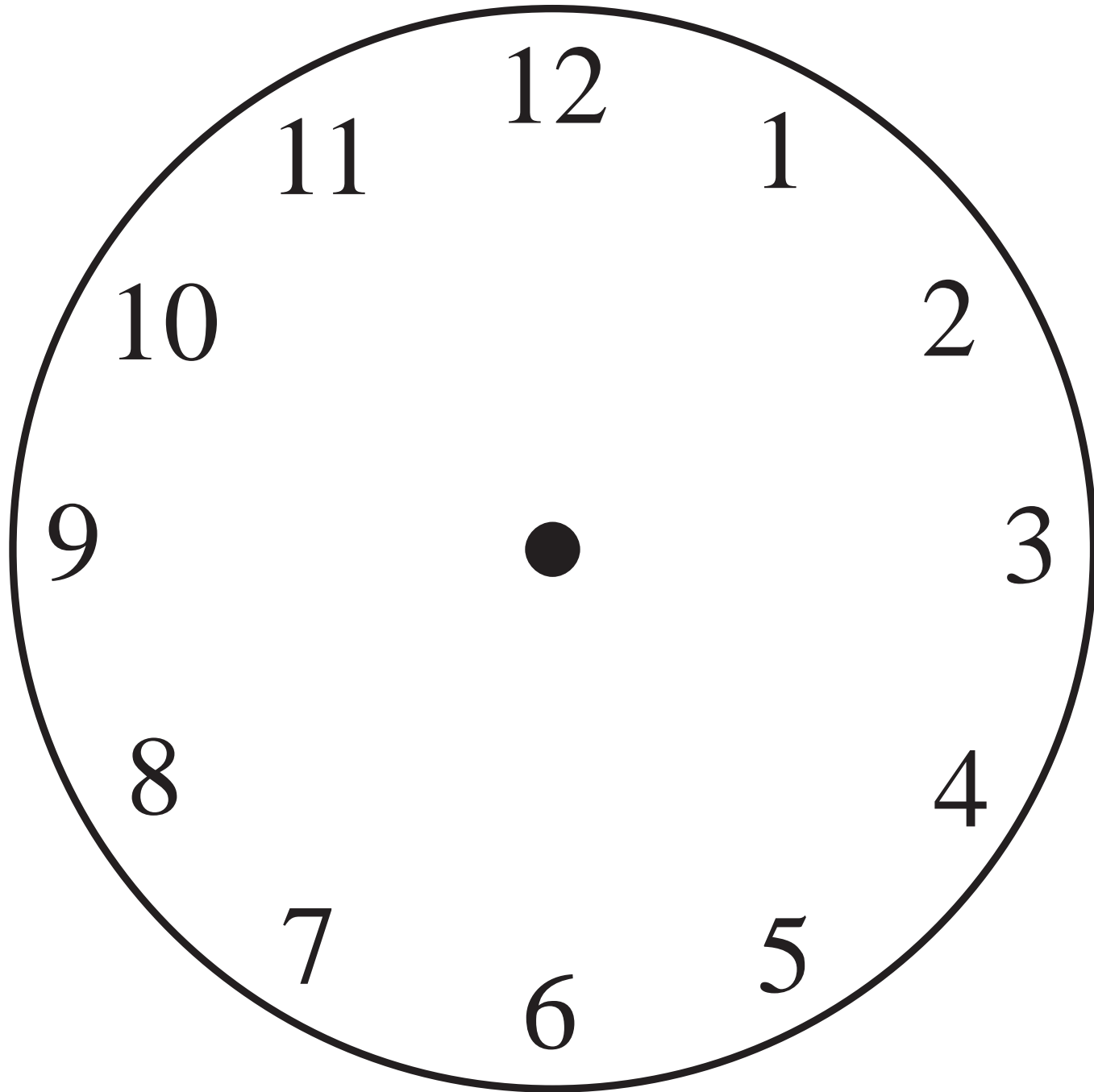
LP 31/6



LP 32/7

Quantity	15 kg	1 kg	2 kg	5 kg	11 kg	20 kg	27 kg	30 kg	150 kg
Price	£9.45	p							

LP 33/8



a) $\frac{1}{4}$ hour = min. = sec.

b) $\frac{3}{4}$ hour = min. = sec.

c) $\frac{1}{2}$ hour = min. = sec.

d) $\frac{3}{2}$ hour = min. = sec.

e) $\frac{1}{3}$ hour = min. = sec.

f) $\frac{2}{3}$ hour = min. = sec.

g) $\frac{1}{5}$ hour = min. = sec.

h) $\frac{3}{5}$ hour = min. = sec.

i) $\frac{1}{6}$ hour = min. = sec.

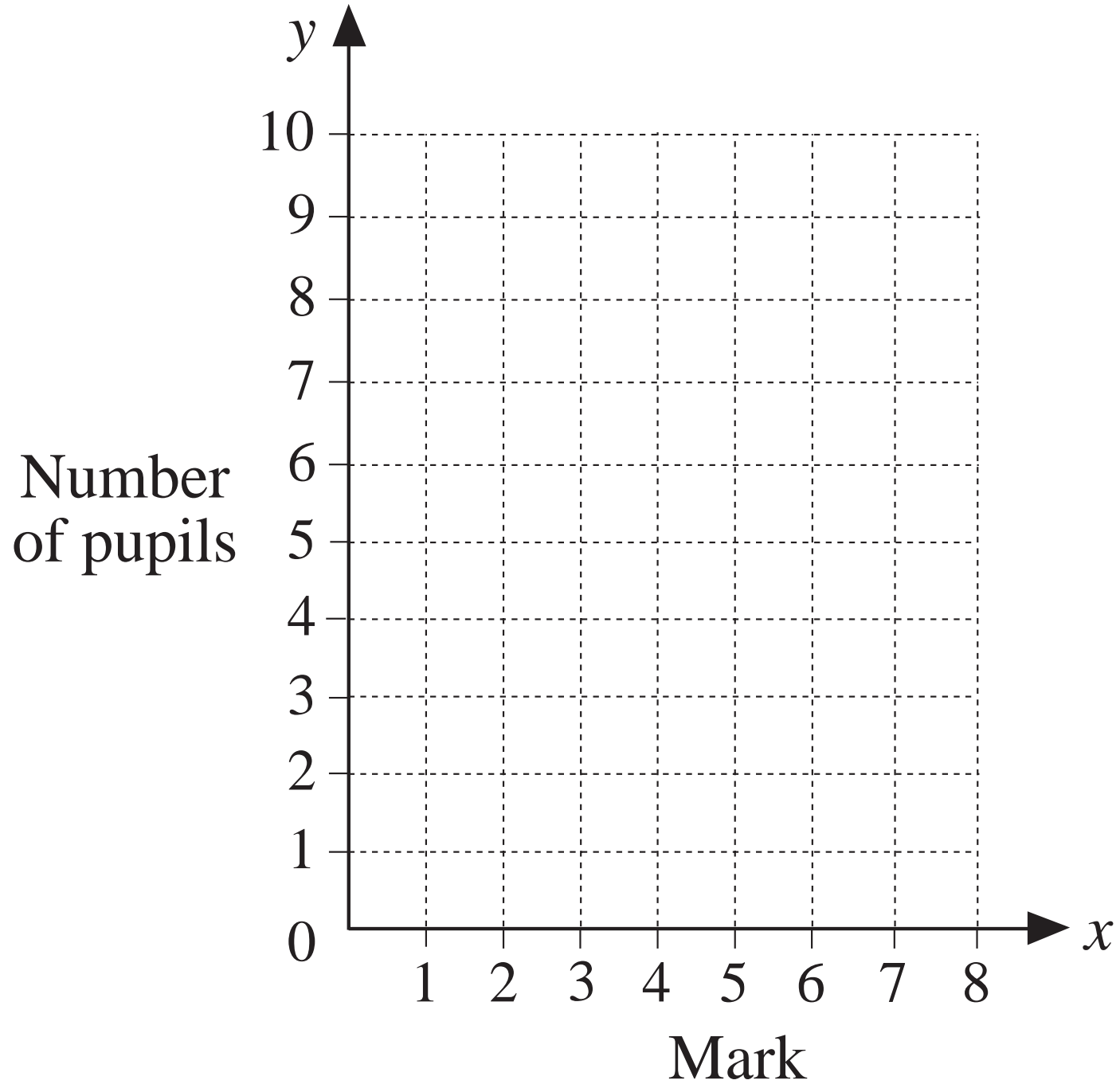
j) $\frac{5}{6}$ hour = min. = sec.

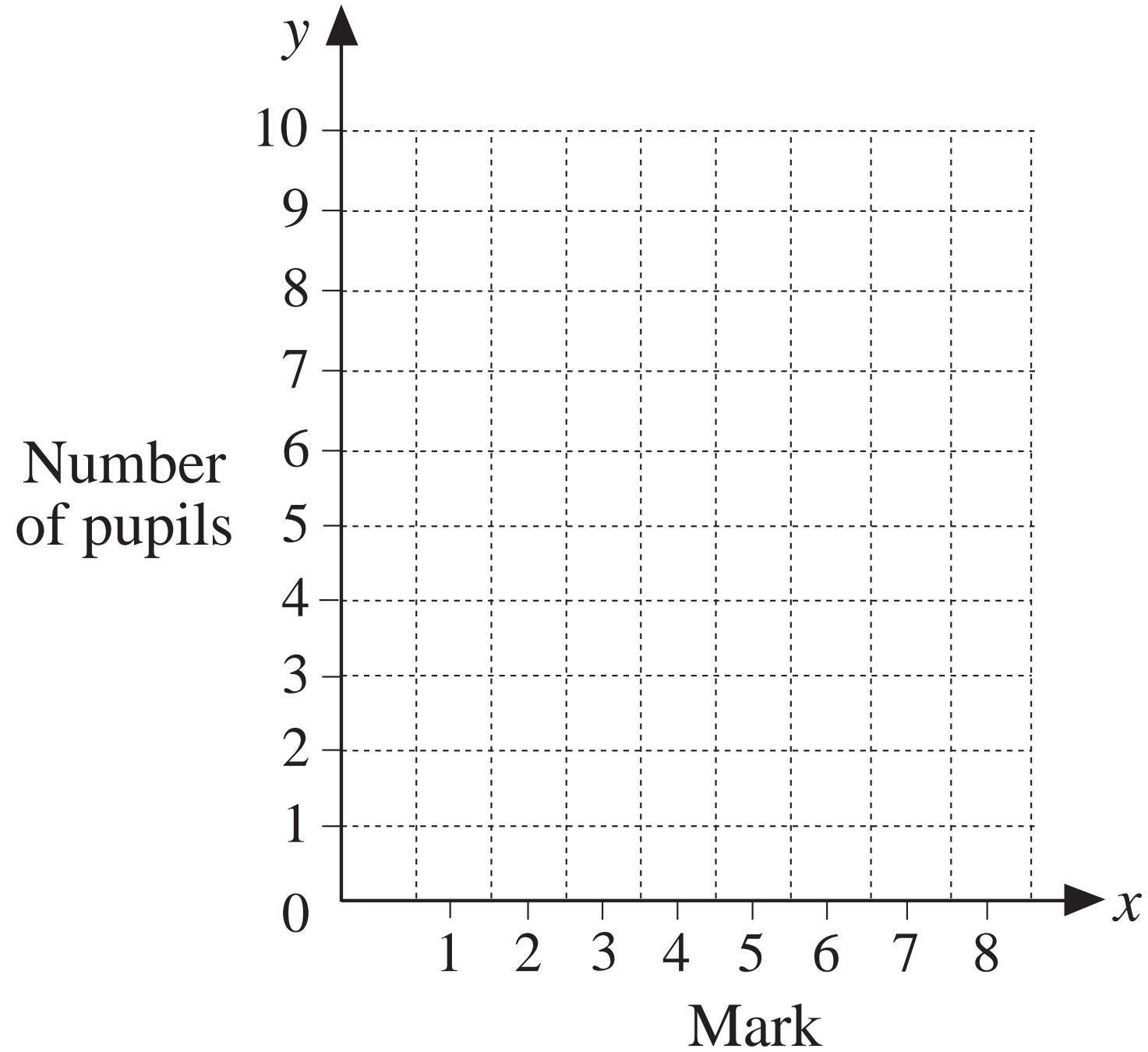
k) $\frac{1}{8}$ hour = min. = sec.

l) $\frac{7}{8}$ hour = min. = sec.

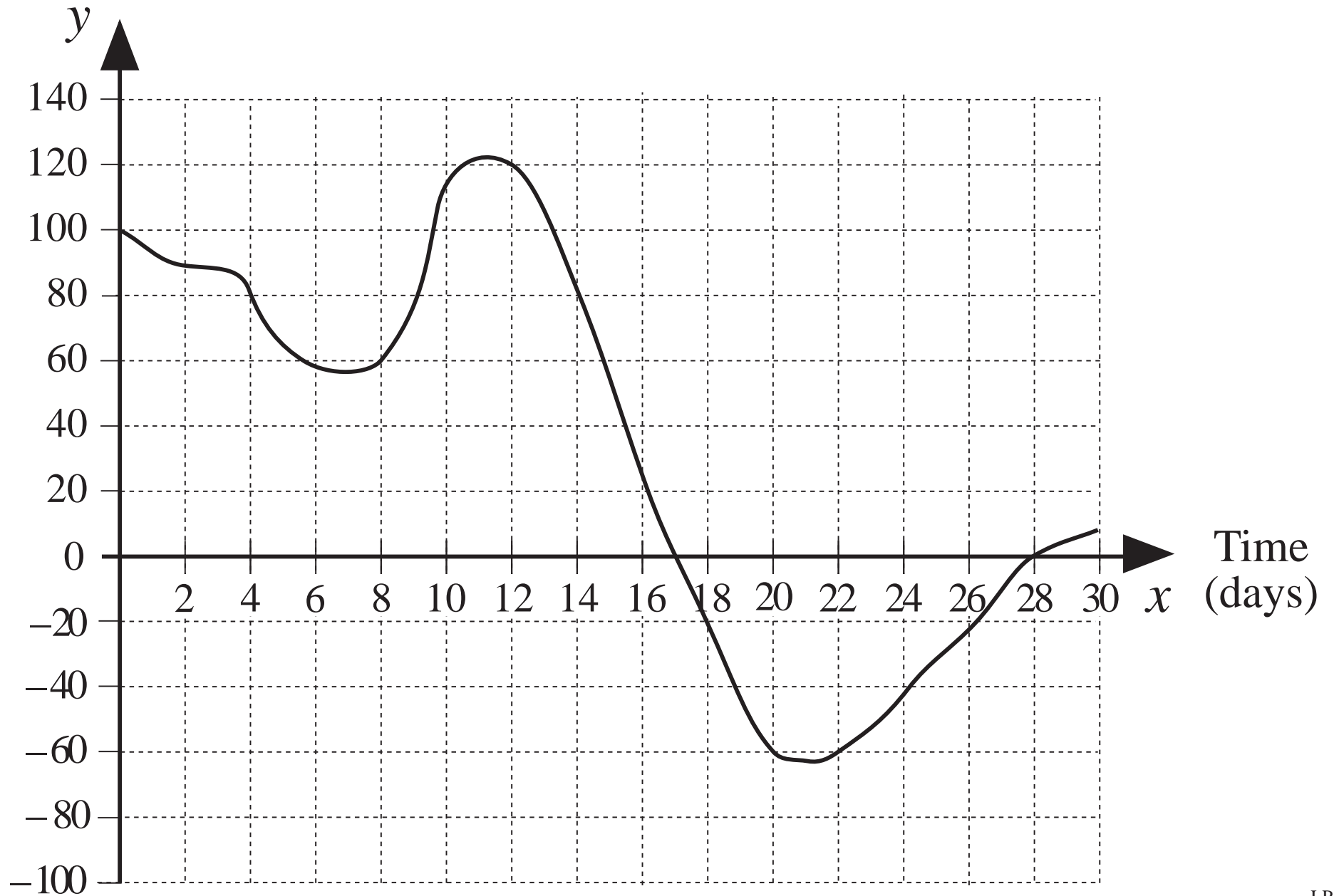
m) $\frac{1}{10}$ hour = min. = sec.

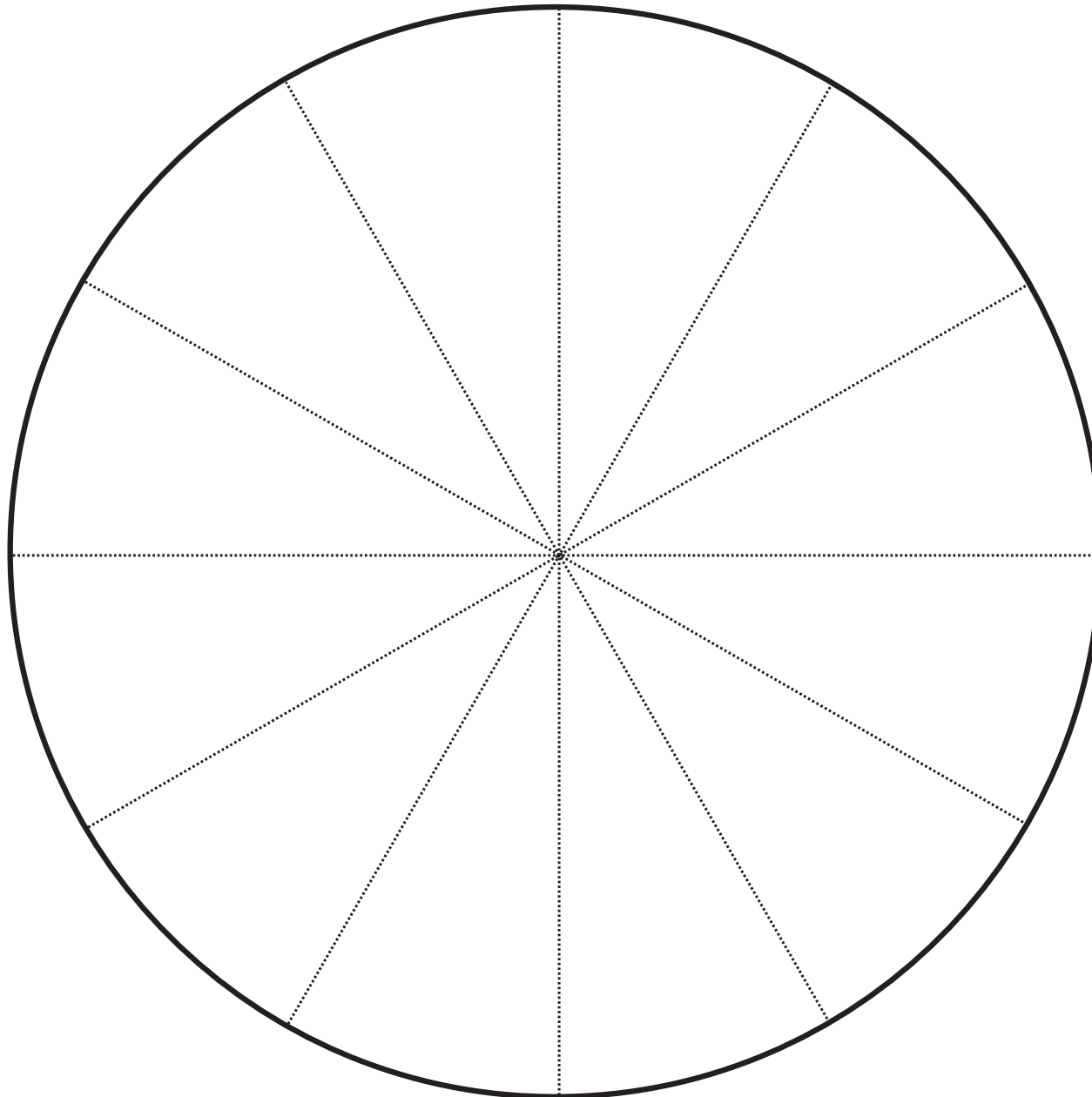
n) $\frac{3}{10}$ hour = min. = sec.





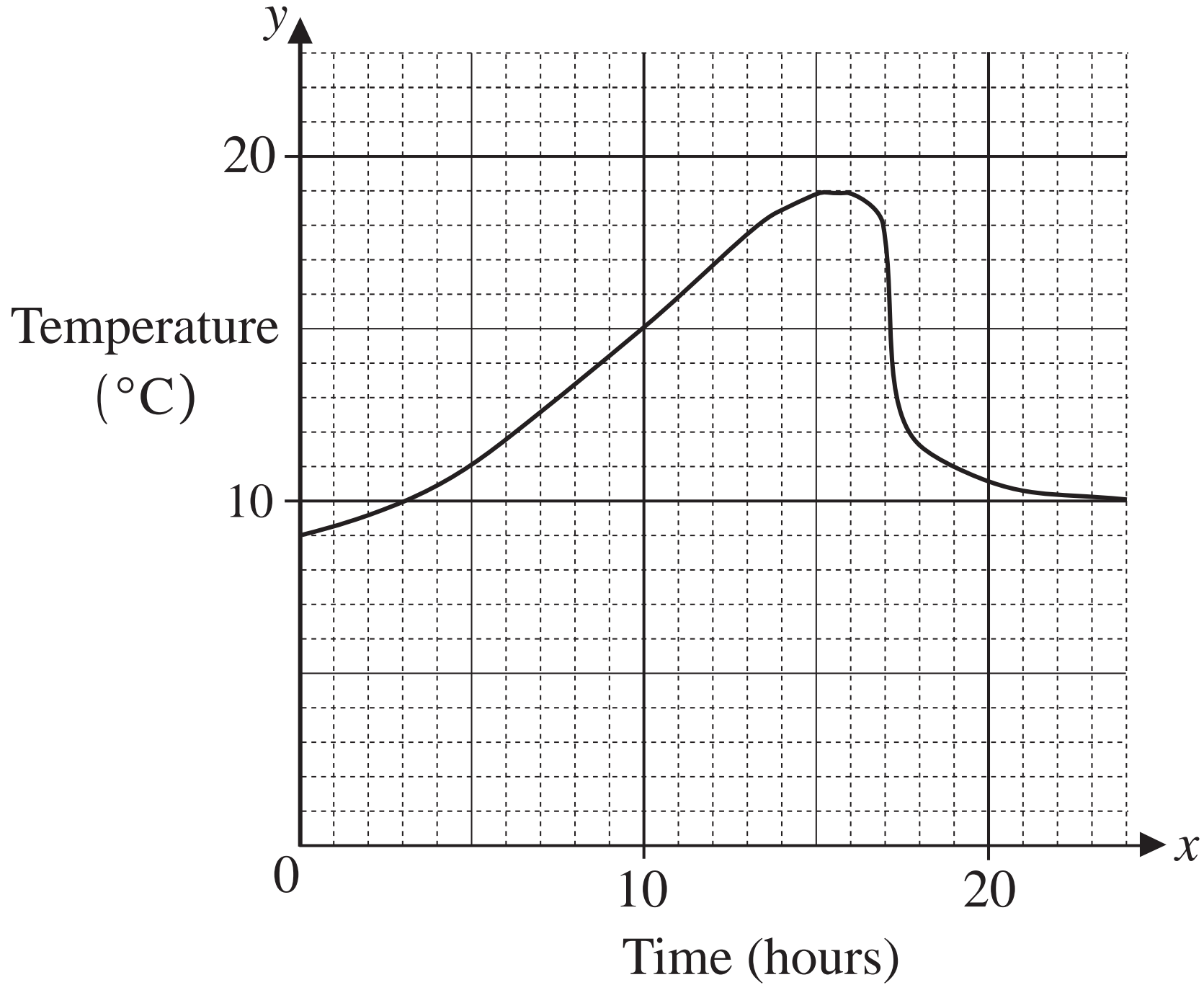
Water level (cm)



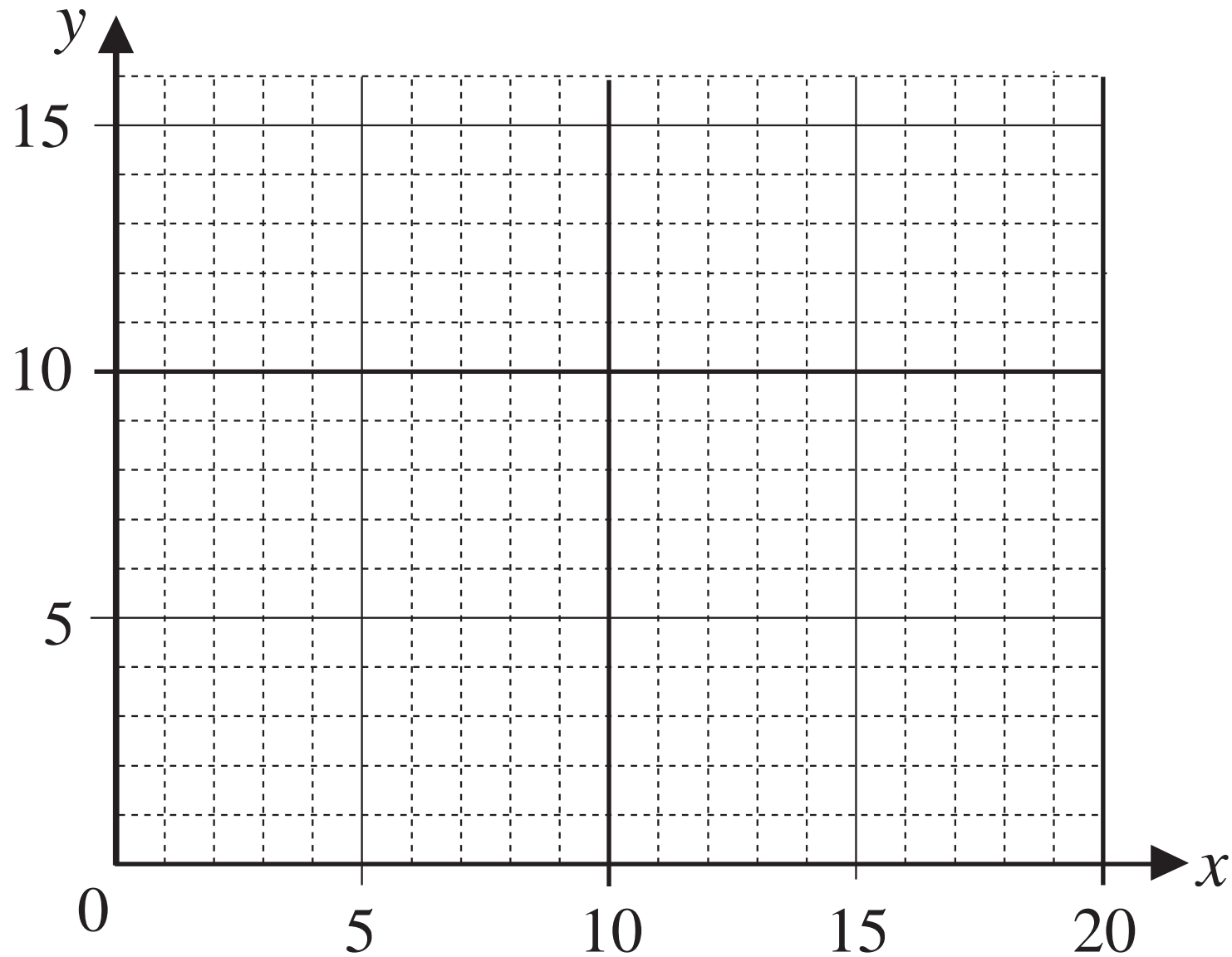


- French
- English
- Music
- Maths
- Science
- P.E

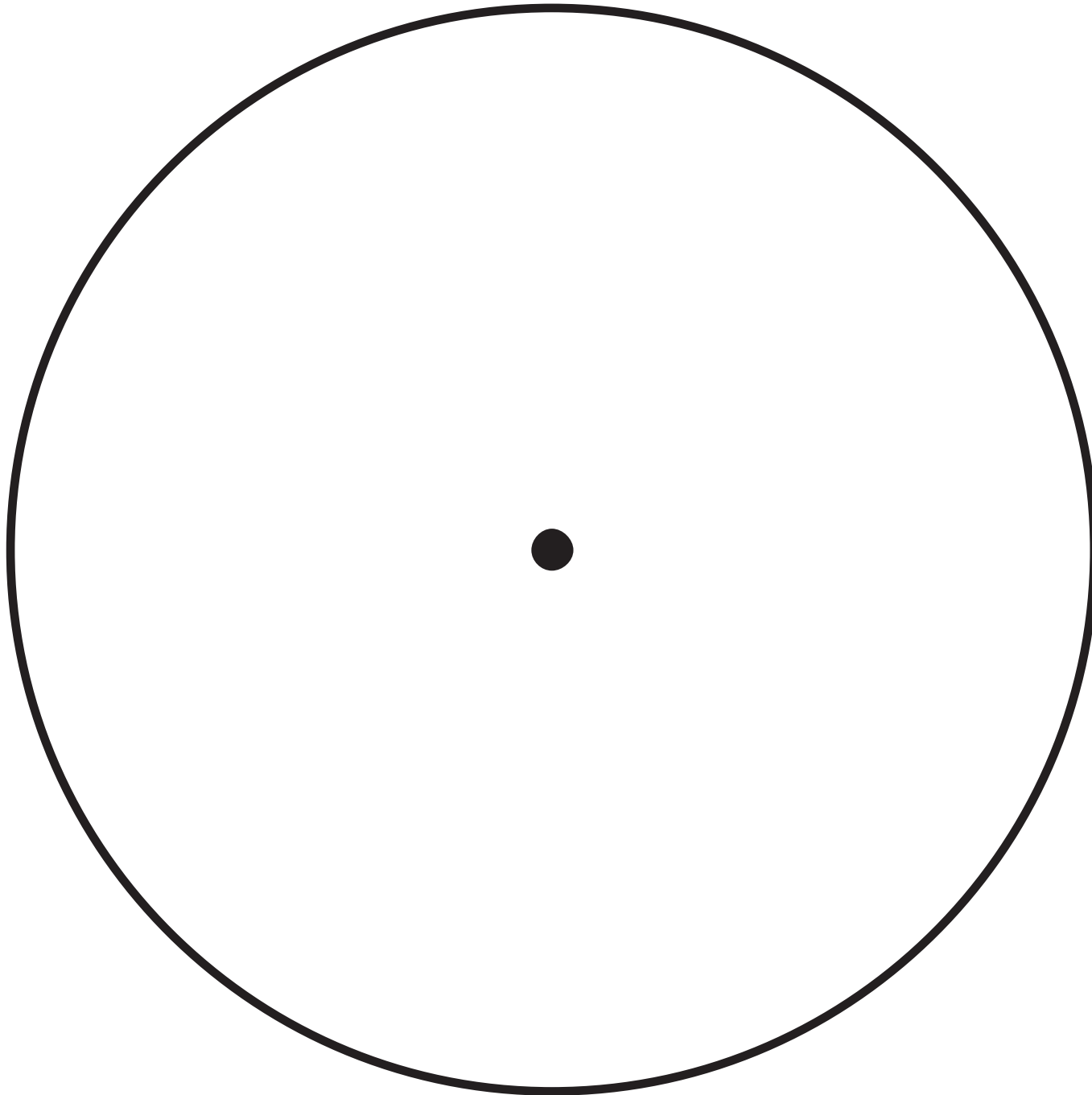
Colour circle and key appropriately

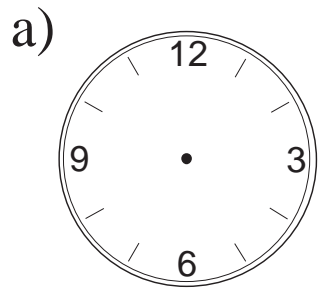


Temperature ($^{\circ}\text{C}$)

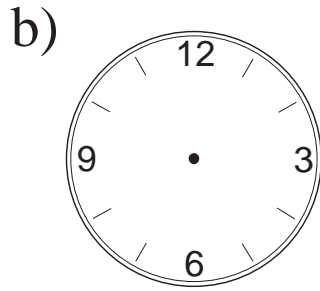


Time (hours)

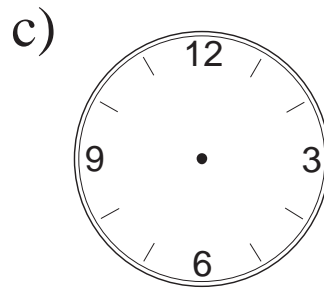




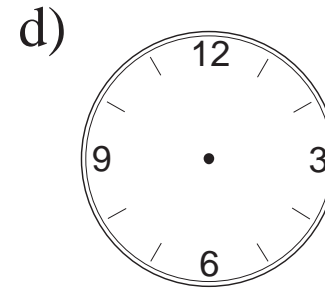
13:25



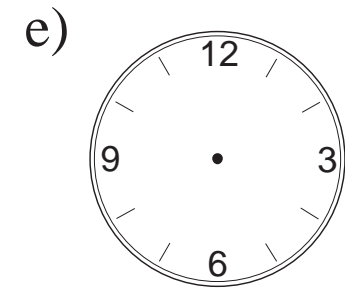
ten to seven



9.12 am

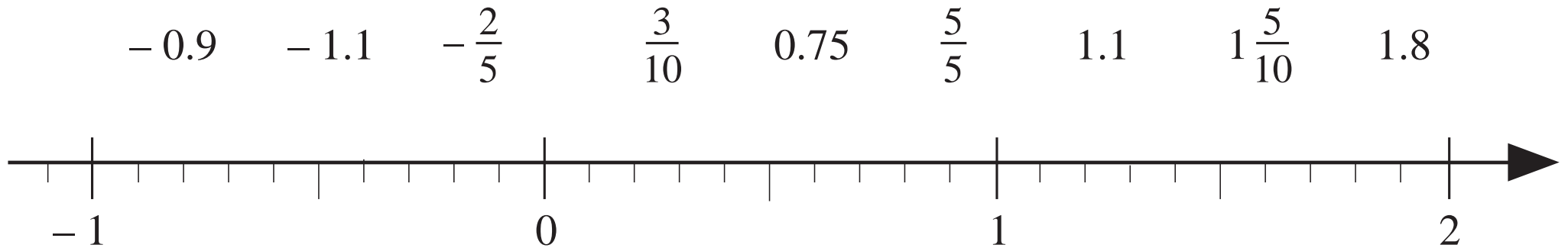


5 h 40 min

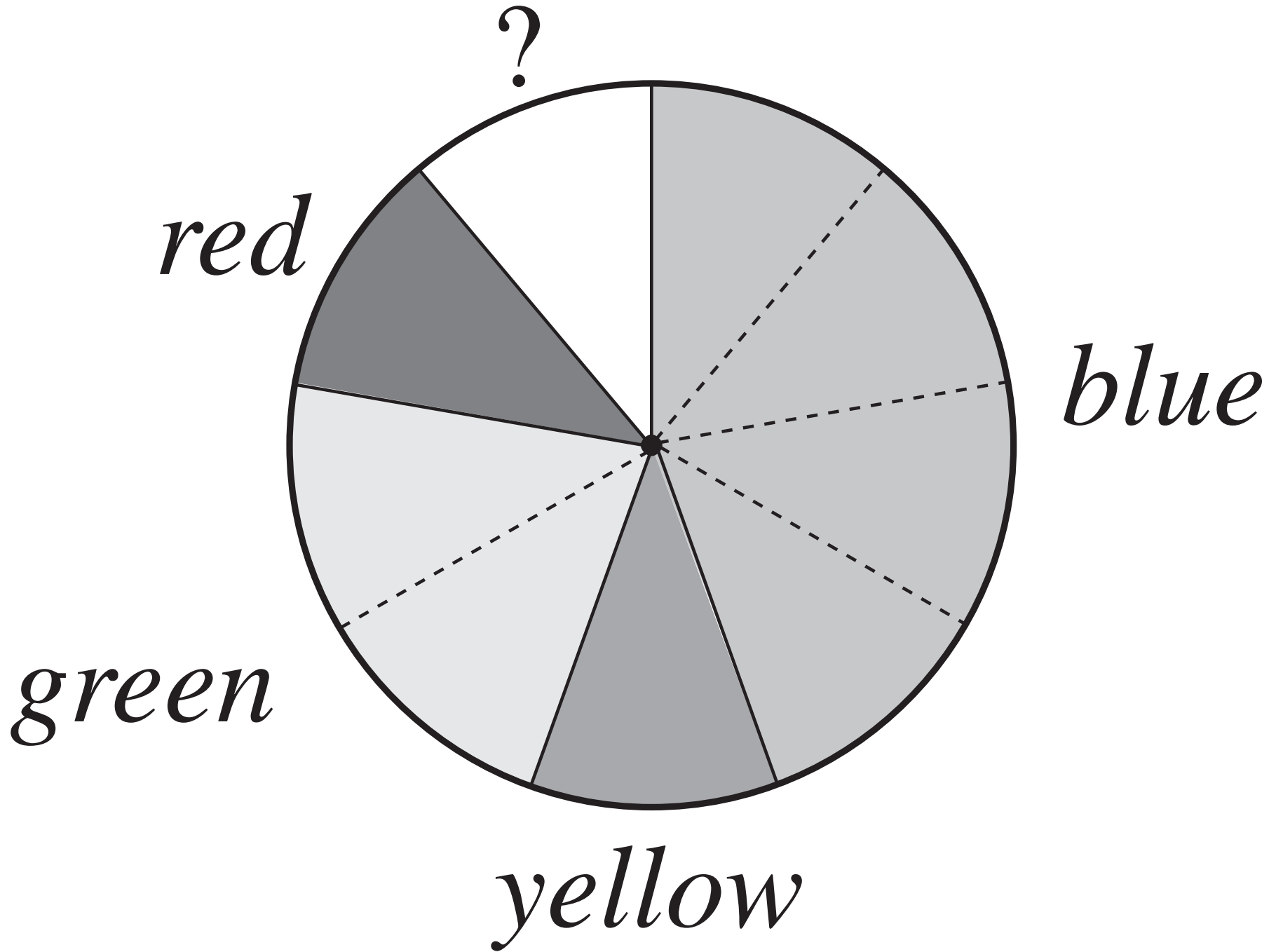


twenty-five to three

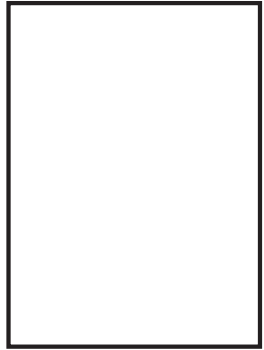
LP 35/1



LP 35/4



a)



$$b = 4\frac{1}{4} \text{ m}$$

$$a = 2 \text{ m } 10 \text{ cm}$$

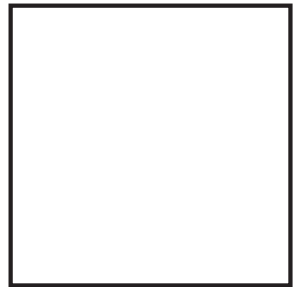
$$a = 210 \text{ cm}$$

$$b = 440 \text{ cm}$$

$$A = 2 \times (210 + 440) \text{ cm} = \underline{1300 \text{ cm}}$$

$$P = 440 \text{ cm} \times 210 \text{ cm} = \underline{92\,400 \text{ cm}^2}$$

b)

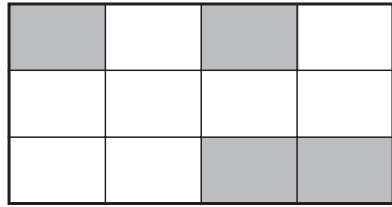


$$a = 3\frac{1}{2} \text{ m}$$

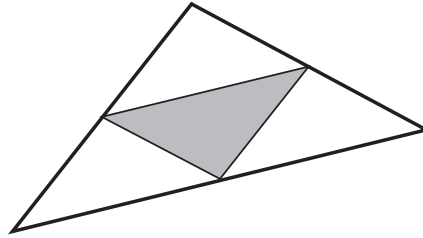
$$P = 2 \times (3\frac{1}{2} + 3\frac{1}{2}) \text{ m} = 2 \times 7 \text{ m} = \underline{14 \text{ m}}$$

$$A = 3\frac{1}{2} \text{ m} \times 3\frac{1}{2} \text{ m} = \underline{9\frac{1}{2} \text{ m}^2}$$

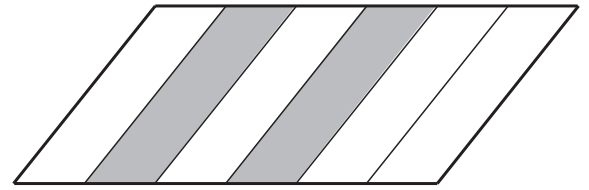
a)


 $\frac{1}{3}$

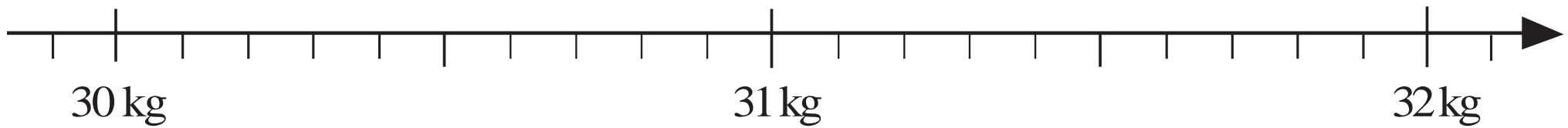
b)


 $\frac{3}{4}$

c)


 $\frac{5}{6}$

LP 36/6



LP 36/7

a) $(32 + 18) - 16$ $32 + (18 - 16)$

b) $518 - (281 - 81)$ $(518 - 281) - 81$

c) $480 + 237$ $482 + 235$

d) $6512 - 6227$ $6510 - 6329$

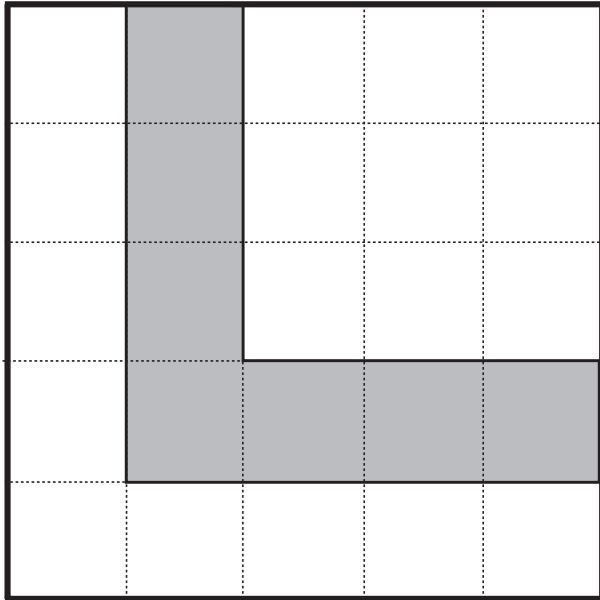
e) $(17 + 5) \times 7$ $17 + 5 \times 7$

f) $(6 \times 8) \times 2$ $(6 \times 2) \times (8 \times 2)$

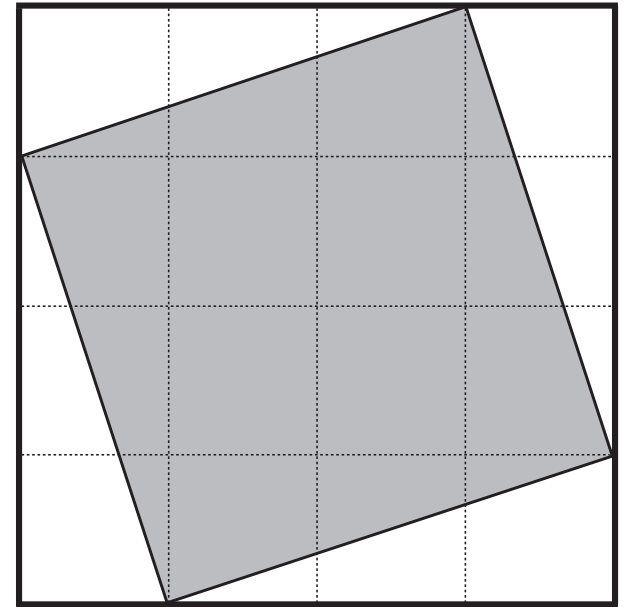
g) 480×60 $400 \times 60 + 80 \times 60$

h) 480×60 $500 \times 60 - 20 \times 60$

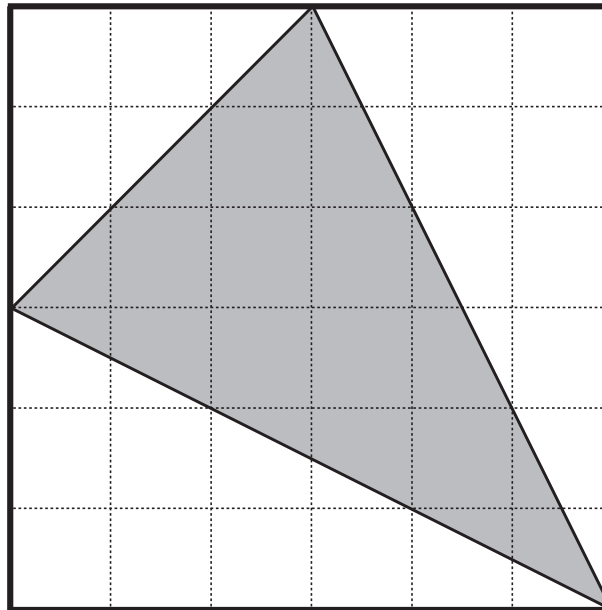
a)



b)

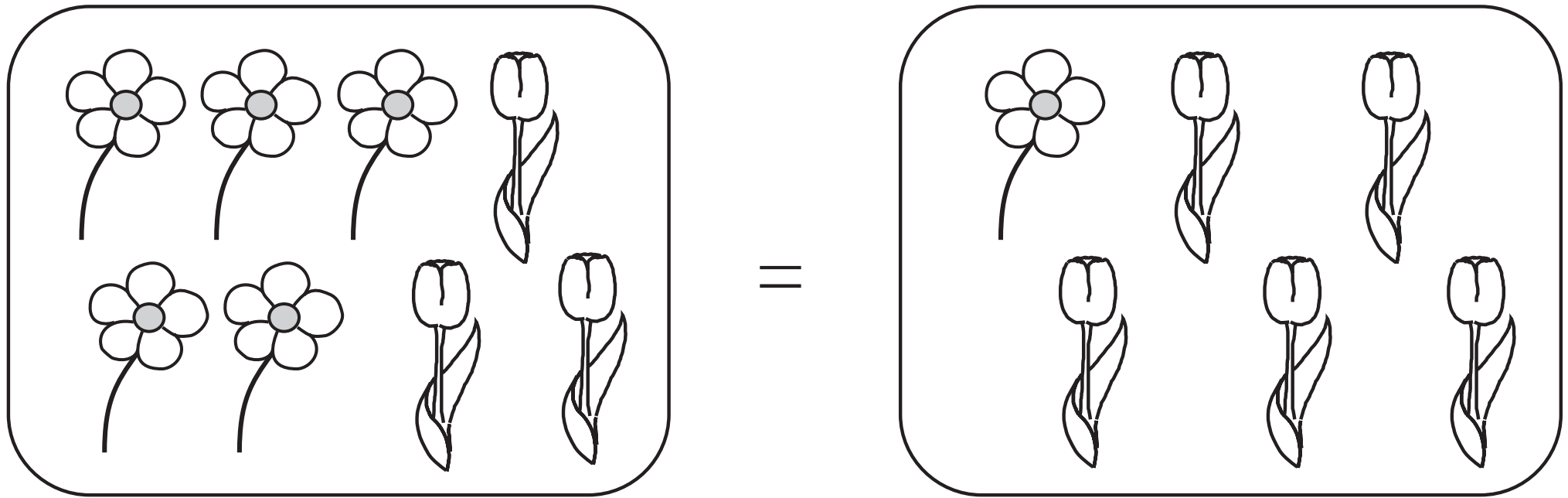


c)

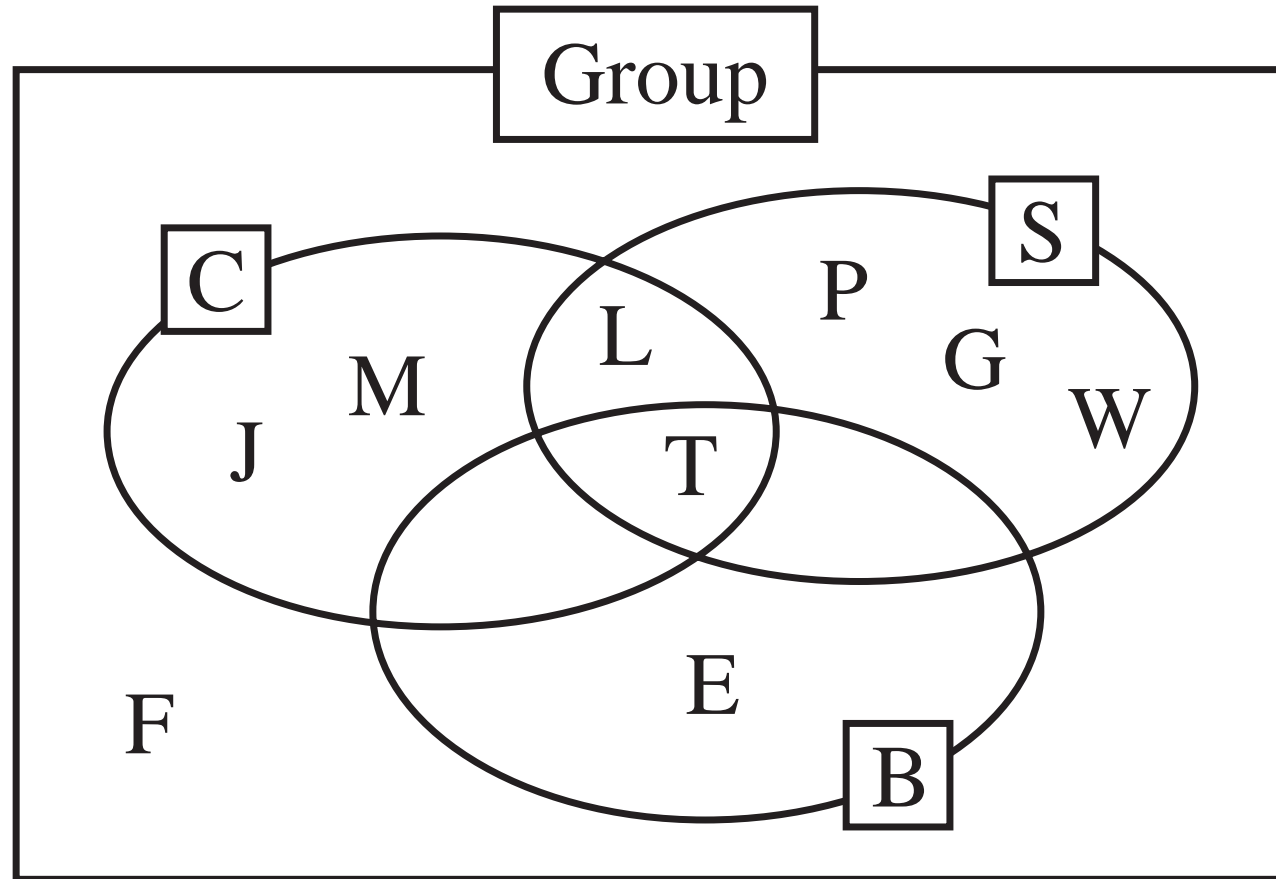


Chairman	A	A																
Secretary	B	C																

LP 37/7



O	R	A	N
R	A	N	G
A	N	G	E



$B = \{\text{children who ate biscuits}\}$

$C = \{\text{children who ate chocolate}\}$

$S = \{\text{children who ate sweets}\}$

a)

	A	B	C	D	E
A					
B					
C					
D					
E					

Goodbyes

b)



E

D

Handshakes

a)

			1	9	8
		2	0	4	0
+	9	9	9	0	3
<hr/>					

b)

	4	4	8	9
-	1	2	9	4
<hr/>				

c)

		3	0	6
		×	3	5
<hr/>				
<hr/>				

d)

		7	9	6
		×	4	1
<hr/>				
<hr/>				

e)

7	4	5	0
<hr/>			

f)

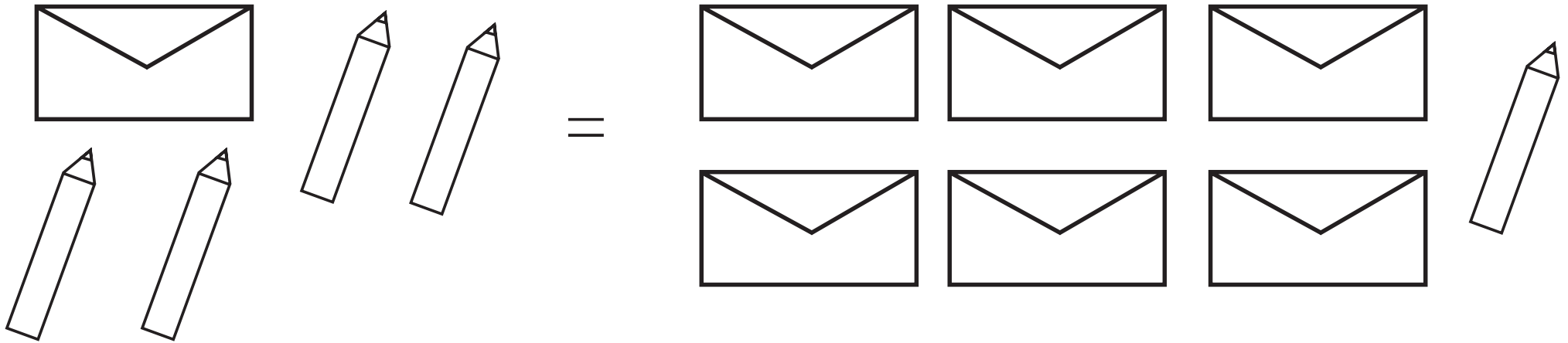
1	0	5	3	7	7
<hr/>					

g)

1	1	1	1	1	1	1	1
<hr/>							

h)

1	0	0	4	6	5	3	0
<hr/>							



LP 39/5

a)

E
X
E
T
E
R



b)

E	X
X	E
E	T
T	E
E	R

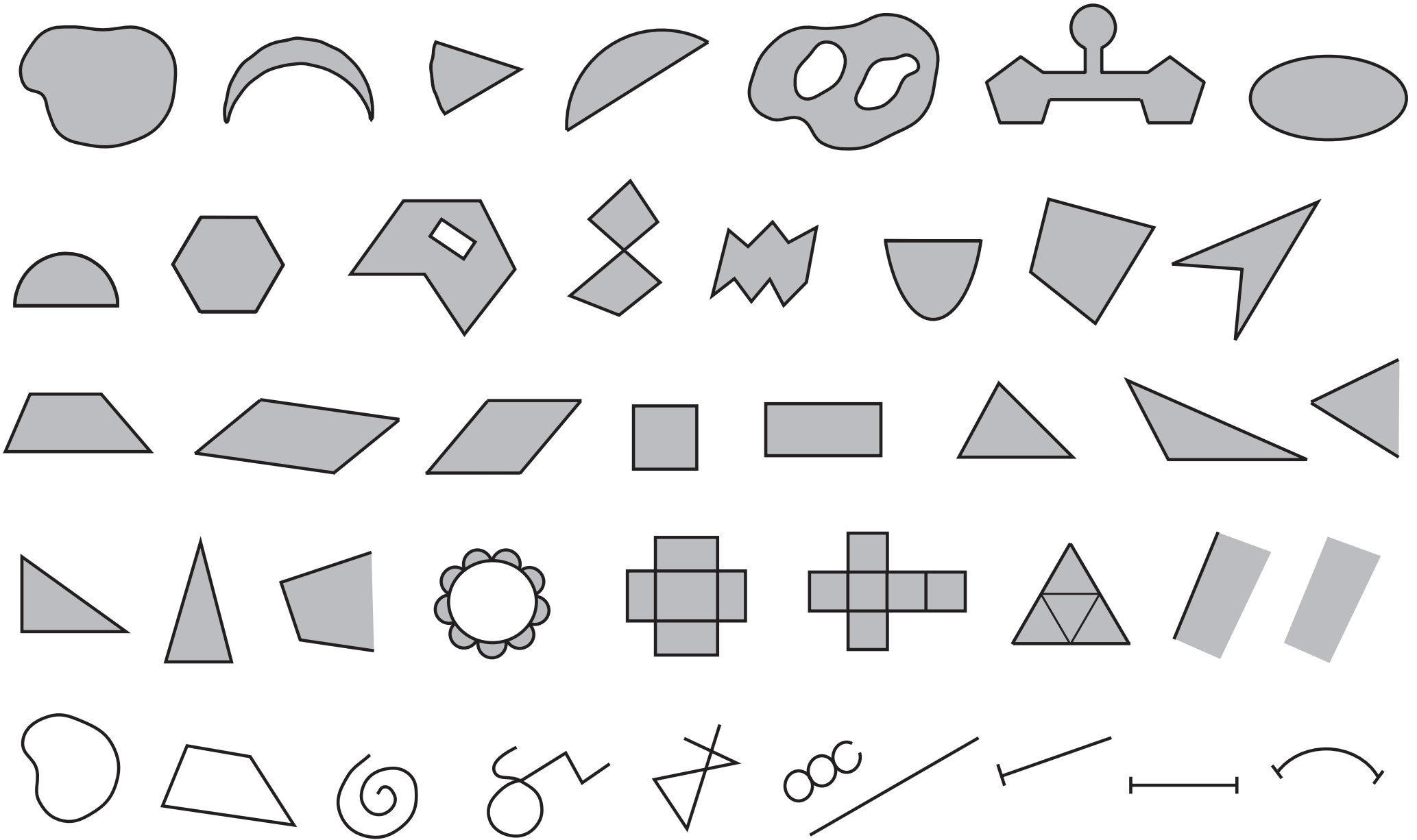


c)

E	X	E
X	E	T
E	T	E
T	E	R



Route	Departs	Arrives	Journey time
London – Birmingham	09:15	<input type="text"/>	1 hour 20 minutes
London – Manchester	10:05	12:03	<input type="text"/>
Liverpool – London	<input type="text"/>	09:37	2 hours 11 minutes
Manchester – Glasgow	08:49	<input type="text"/>	2 hours 23 minutes
London – Carlisle	<input type="text"/>	15:12	3 hours 17 minutes
Glasgow – London	17:30	<input type="text"/>	4 hours 12 minutes



chair

grape

circle drawn on
a sheet of paper

piece of
tissue paper

solid

line

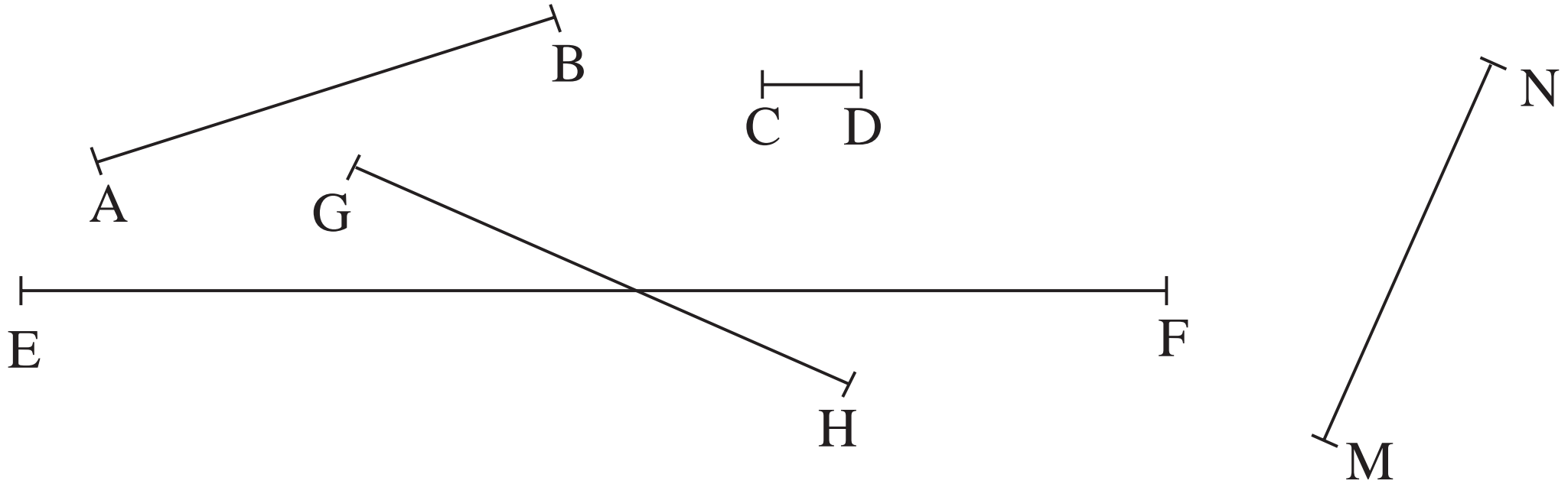
surface

thick cardboard

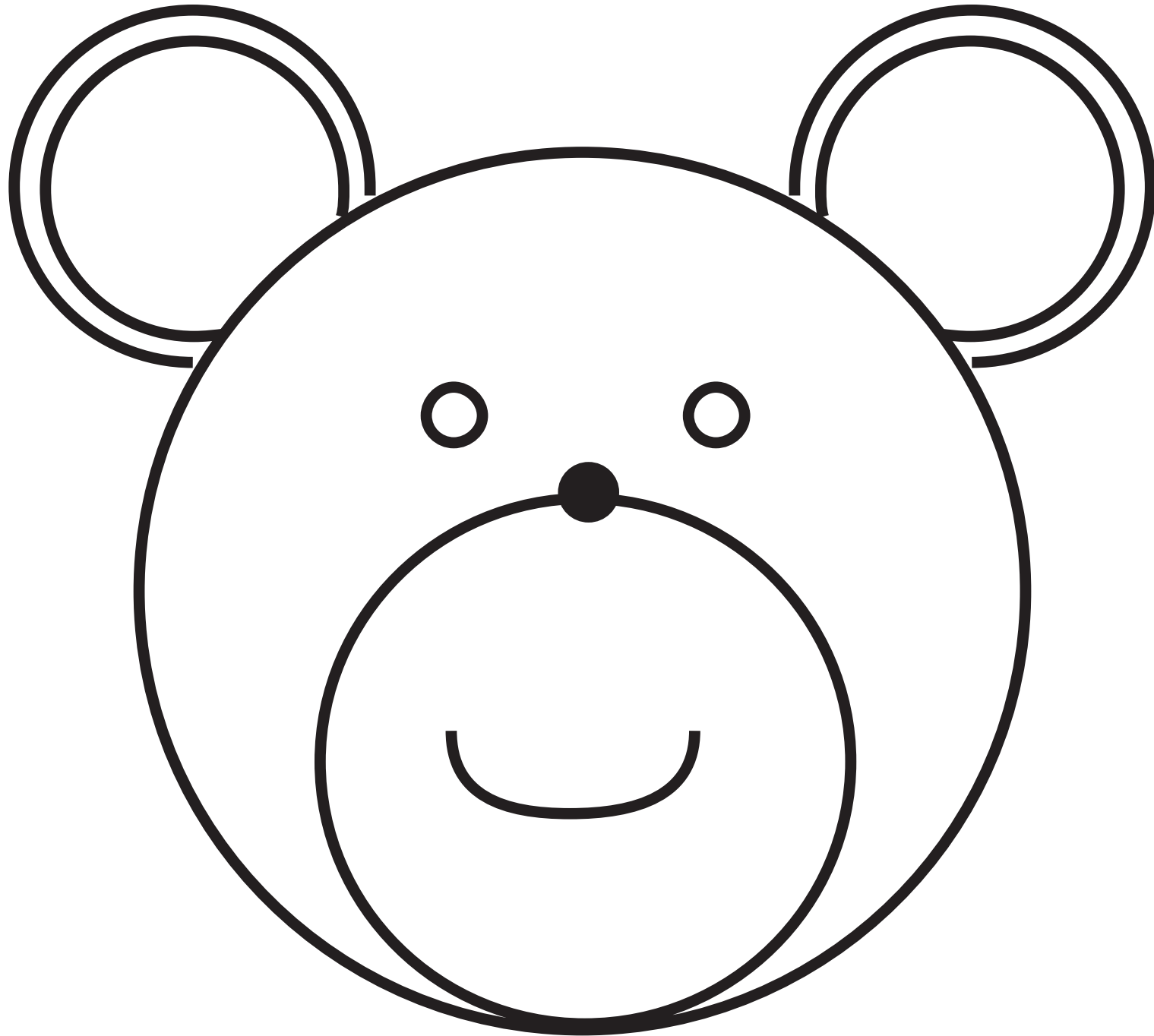
fine thread

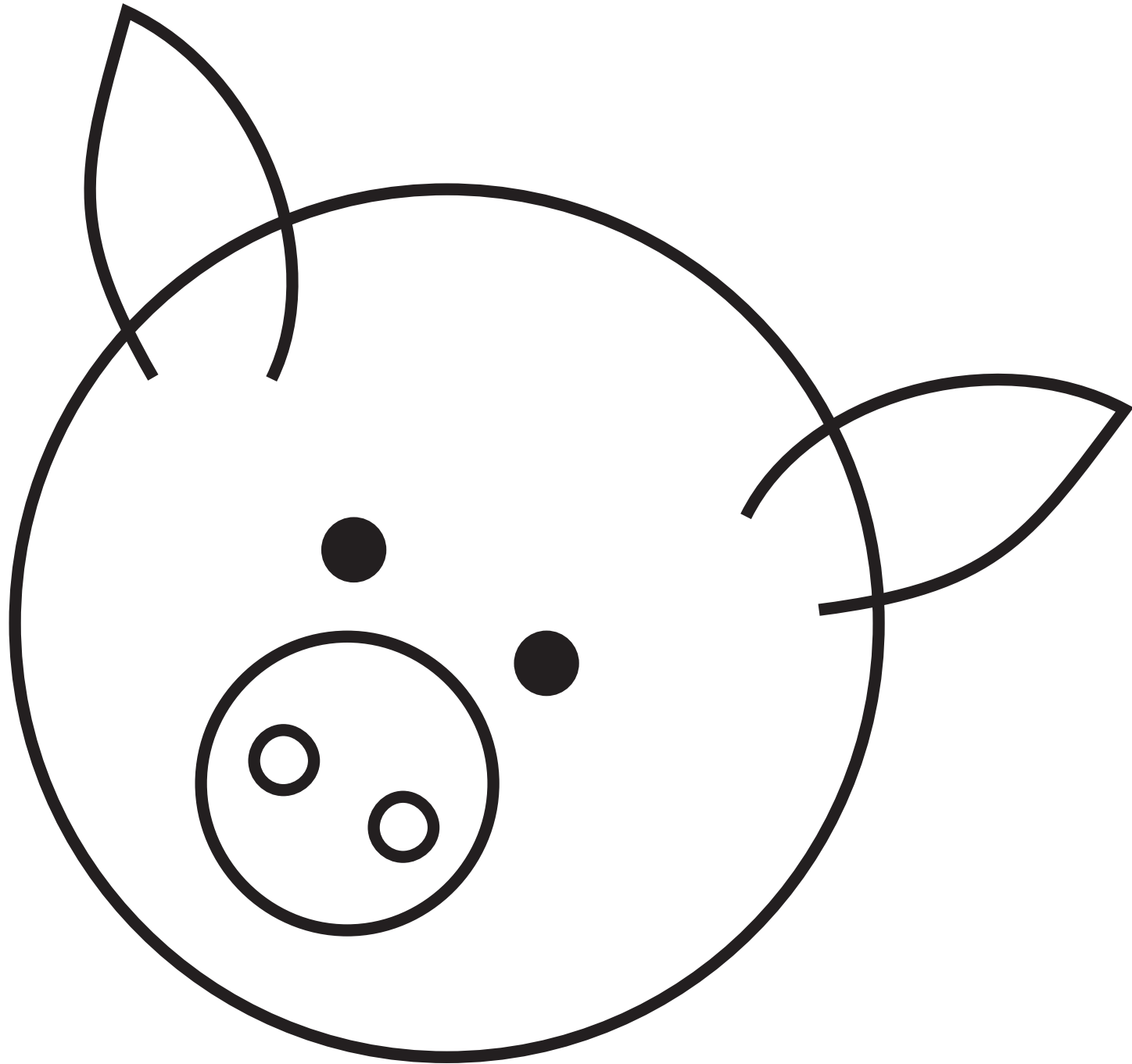
grain of sand

skin of a grape

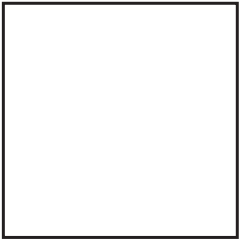


	AB	CD	EF	GH	MN
Estimated (cm)					
Measured (mm)					
Difference (mm)					

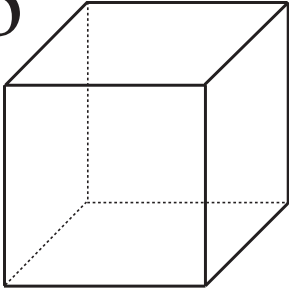




a



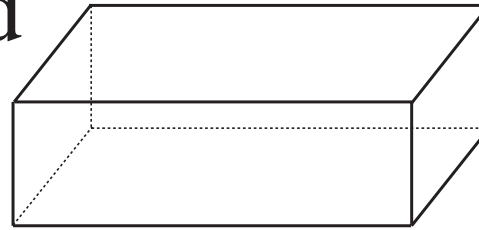
b



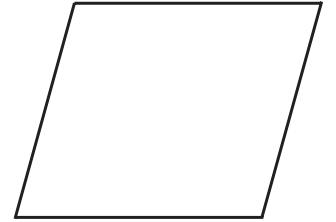
c



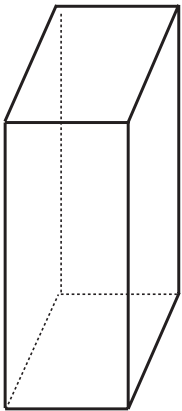
d



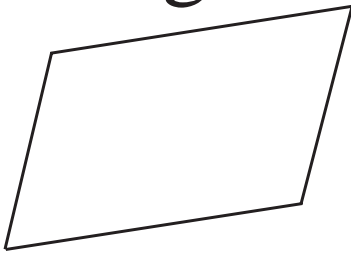
e



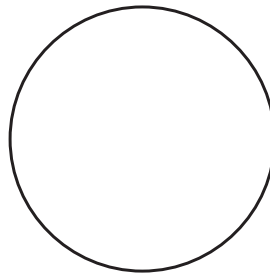
f



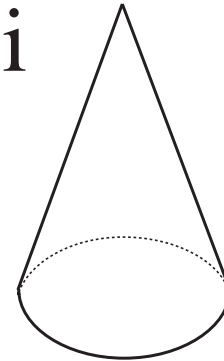
g



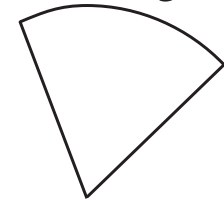
h



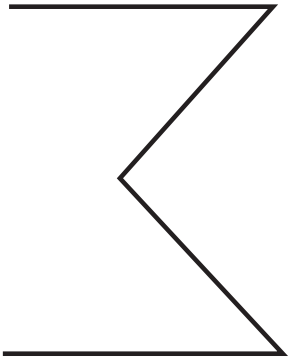
i



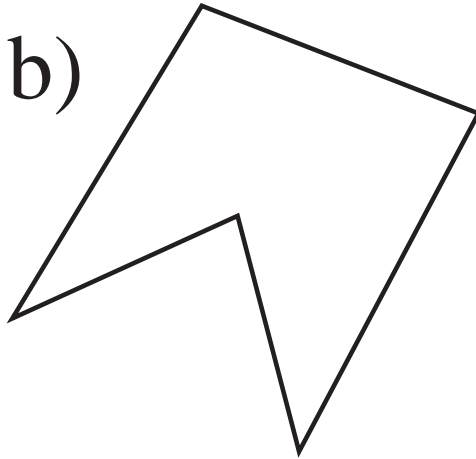
j



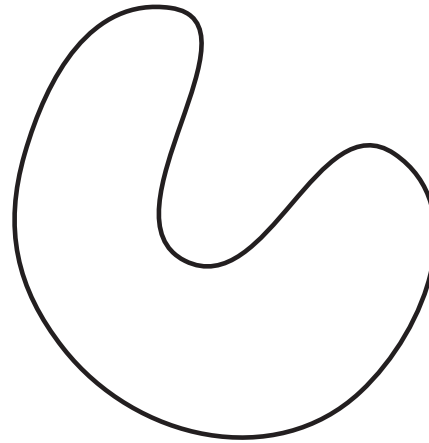
a)



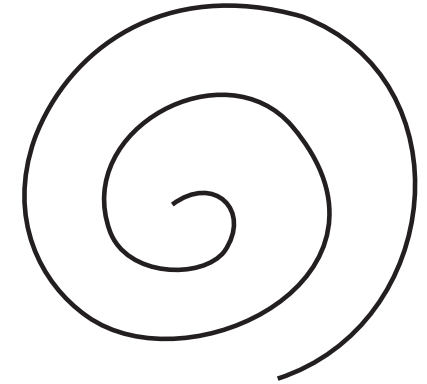
b)



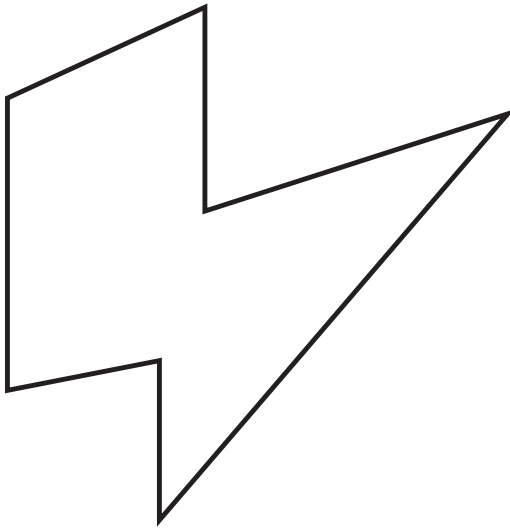
c)



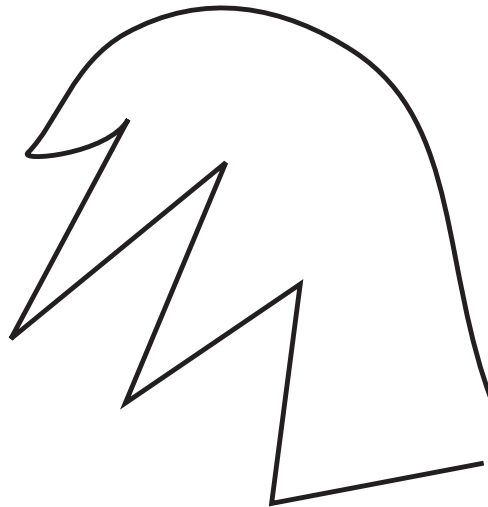
d)



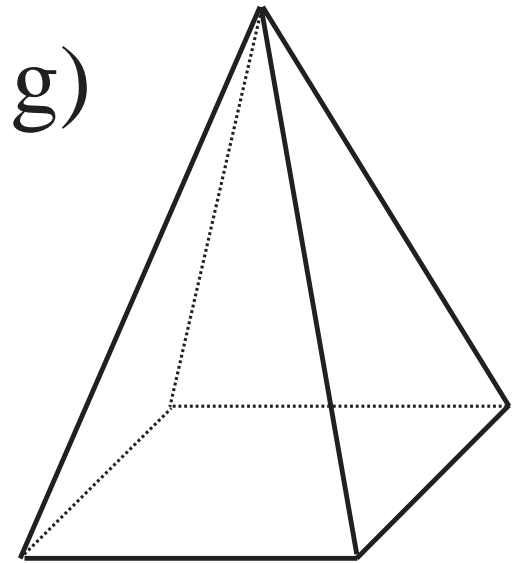
e)



f)



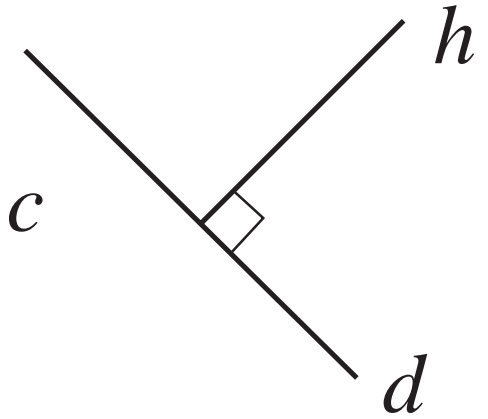
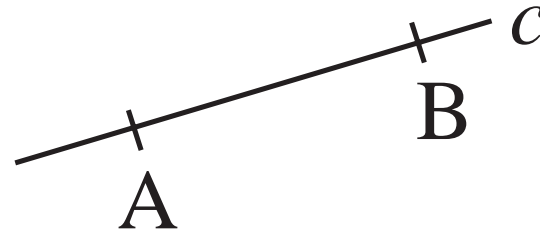
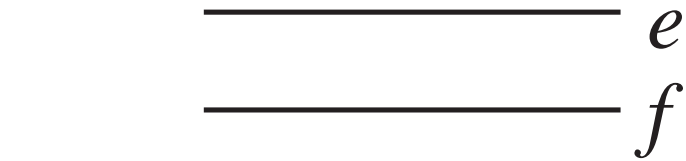
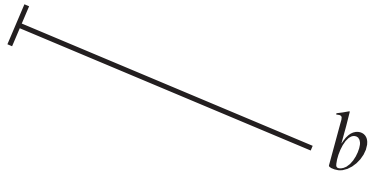
g)



ray



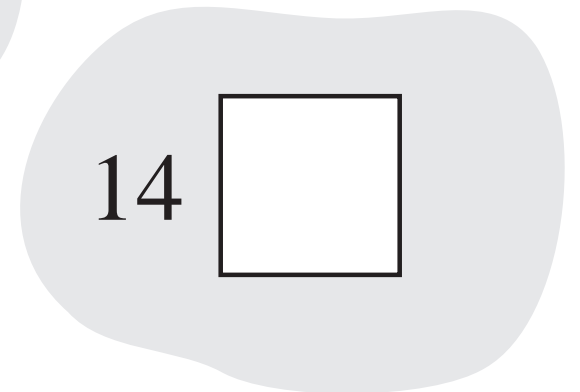
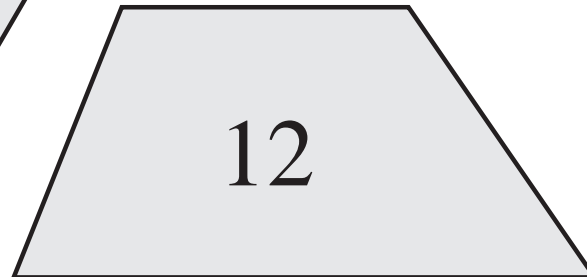
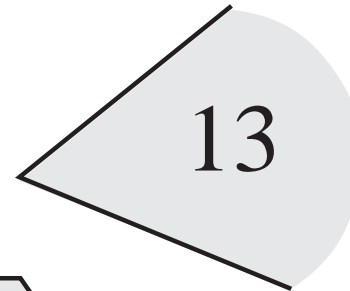
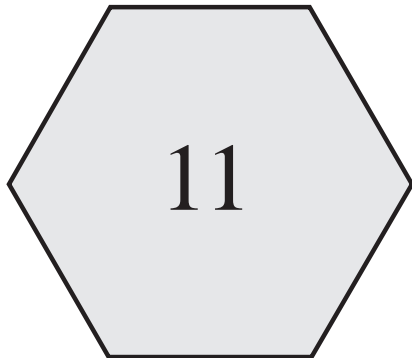
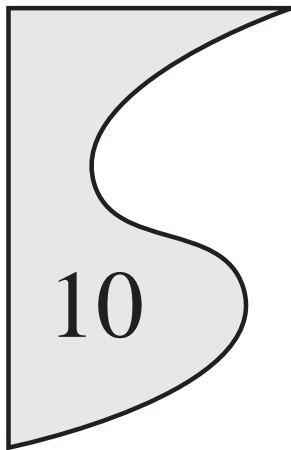
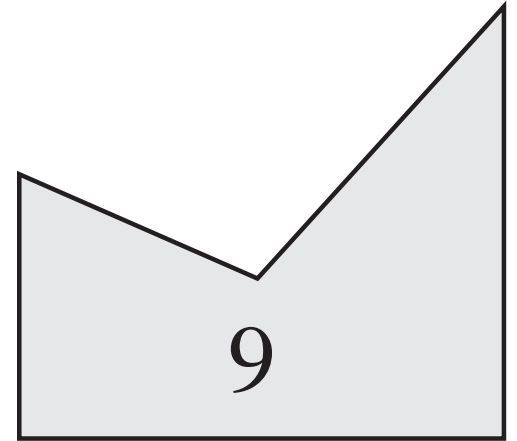
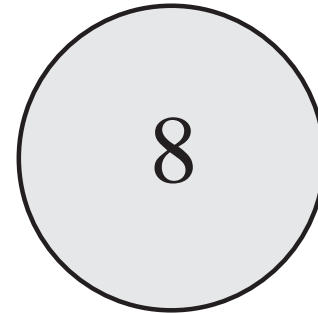
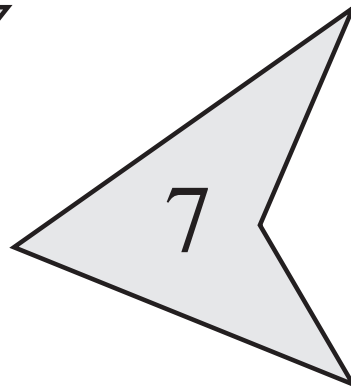
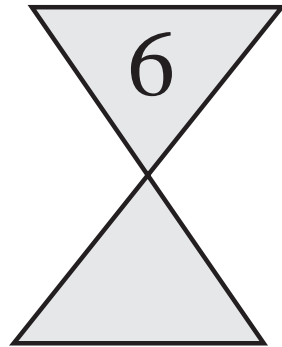
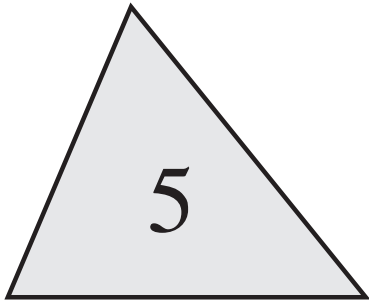
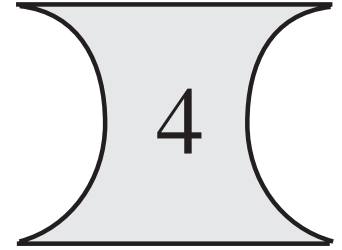
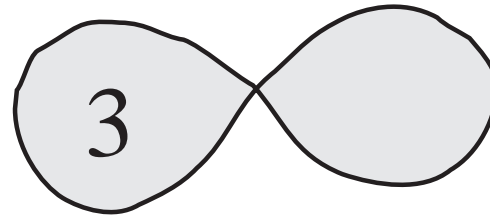
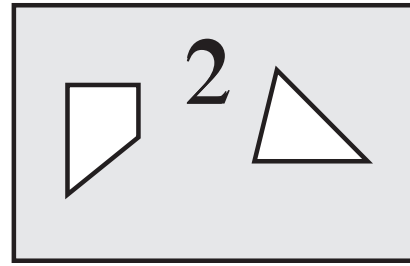
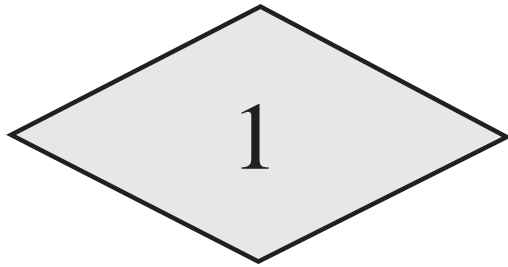
perpendicular lines



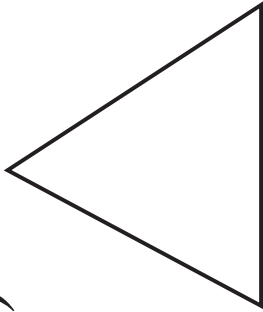
line segment

straight line

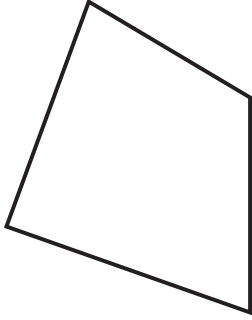
parallel lines



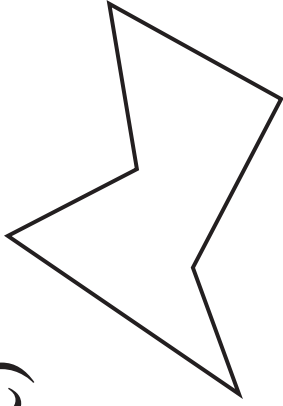
a)



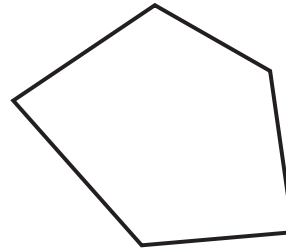
b)



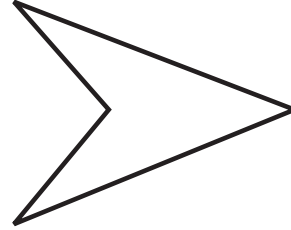
c)



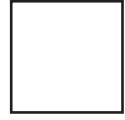
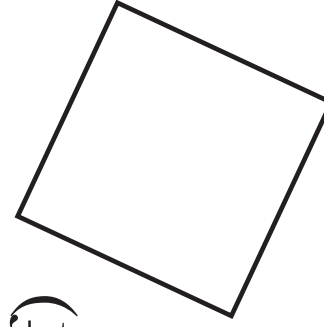
d)



e)

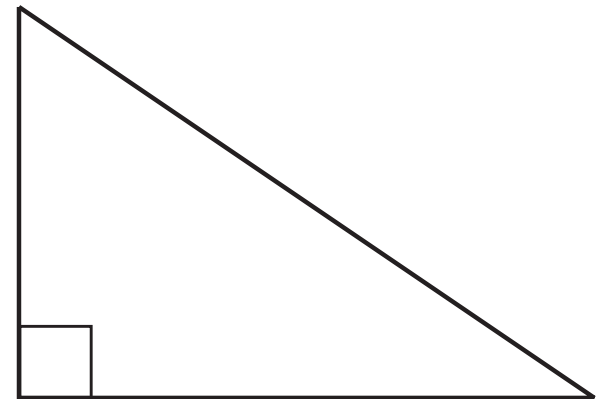
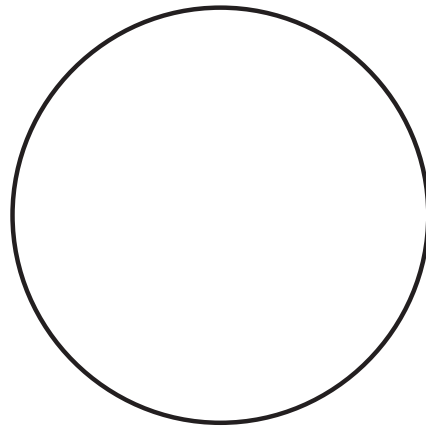
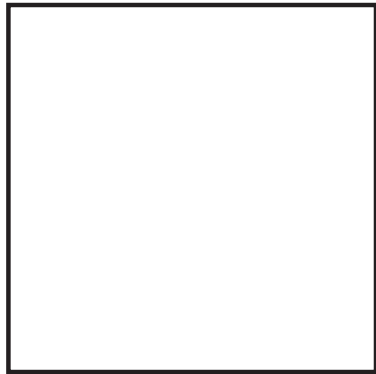
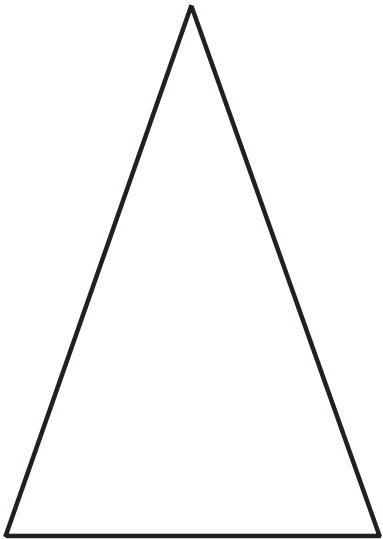
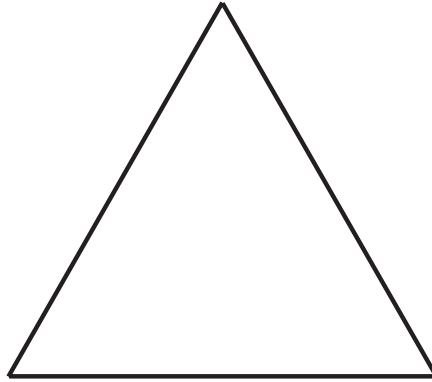
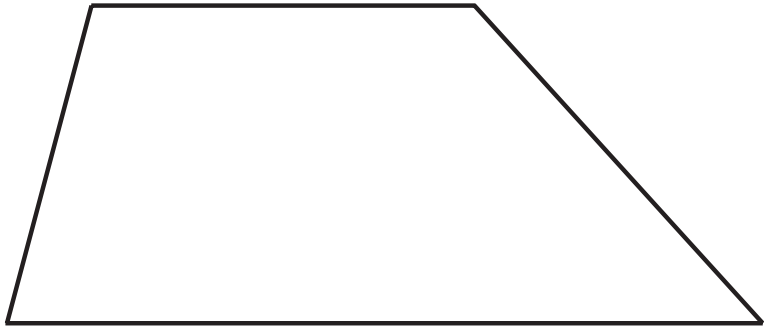


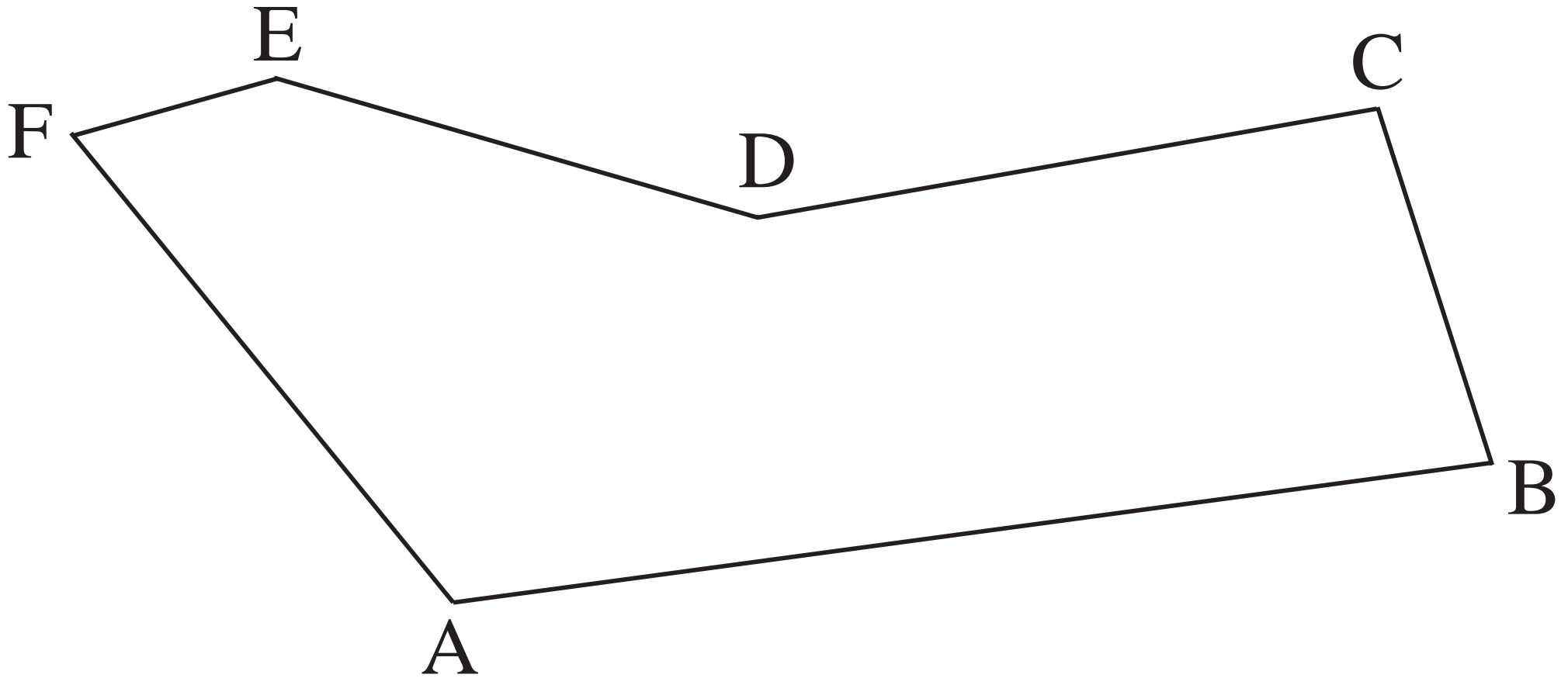
f)



The image shows a large rectangular frame containing various geometric shapes. In the top-left corner, there is a small square box containing the letter 'S'. In the top-center, there is a small square box containing the letter 'P'. The shapes are distributed as follows:

- Top row (from left to right): a crescent moon, a trapezoid with a circle and a square inside, a teardrop shape, an oval, and a triangle with a diagonal line.
- Left side (from top to bottom): a circle, a figure-eight shape, and a shape with two inward-curving sides.
- Center (from top to bottom): a pentagon, a triangle, a diamond, a hexagon, and a crown shape.
- Right side (from top to bottom): a square, two overlapping diamonds, and a semi-circle.
- Bottom row (from left to right): a shape with a wavy top, a semi-circle, and an irregular blob shape.





AB =

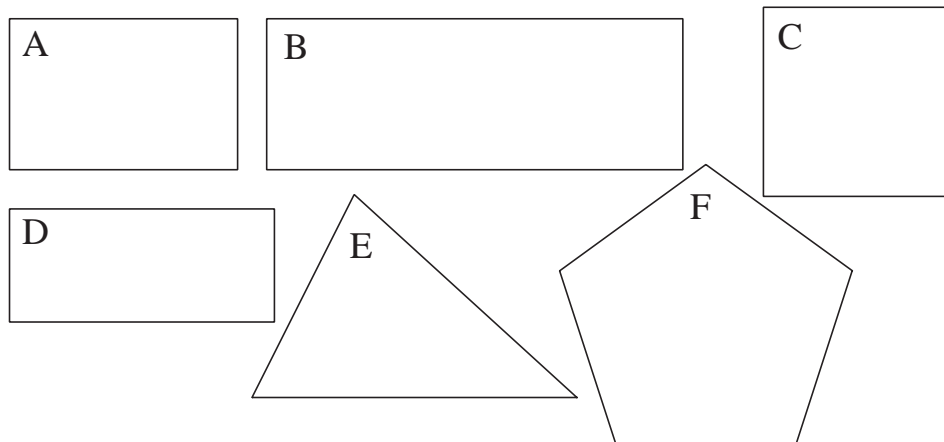
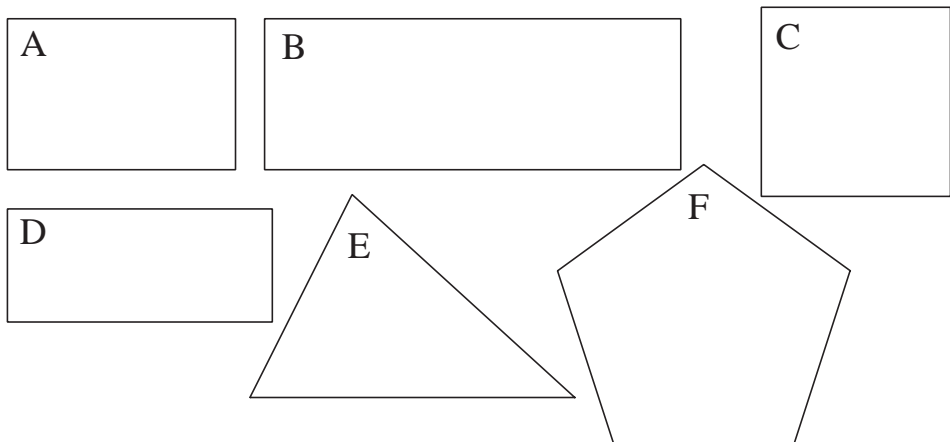
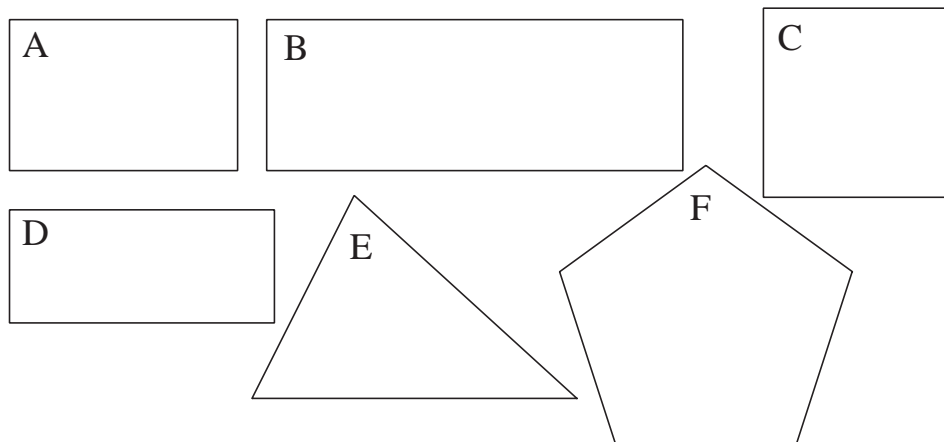
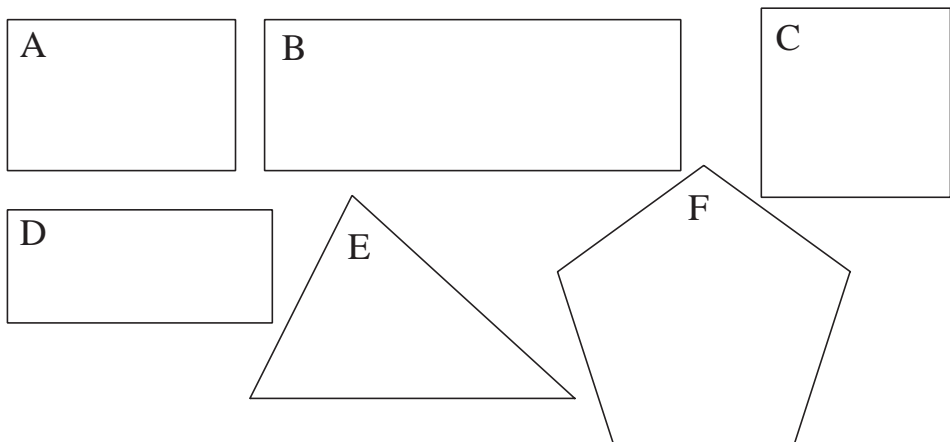
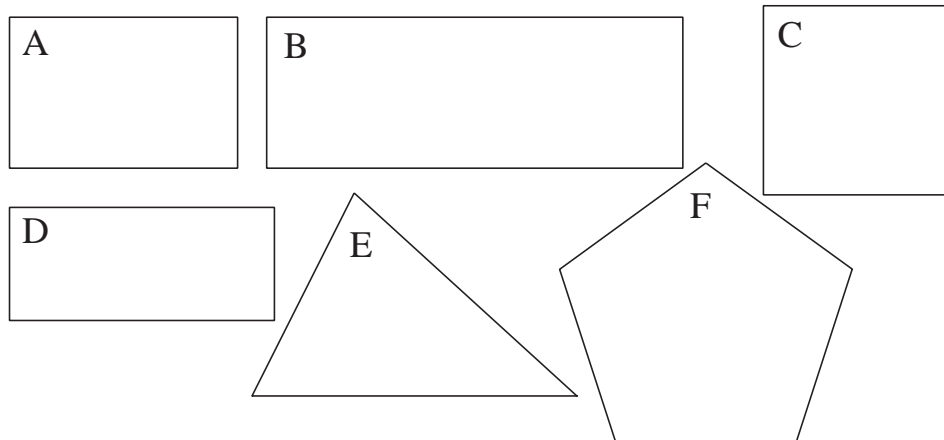
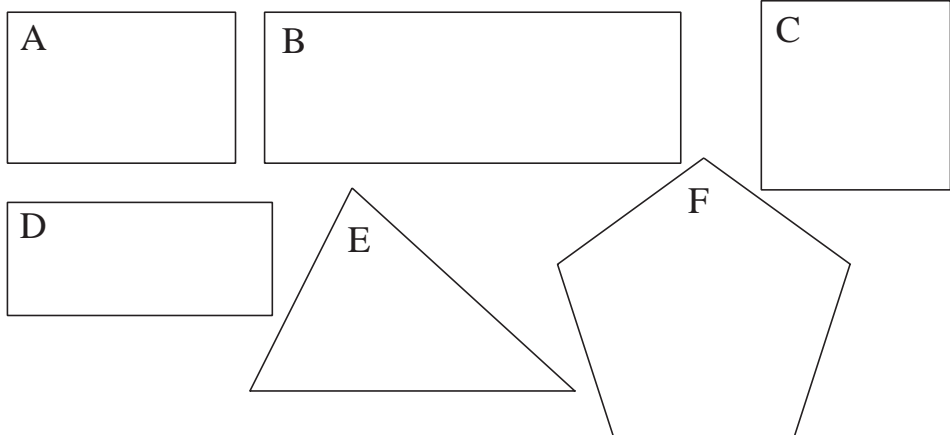
BC =

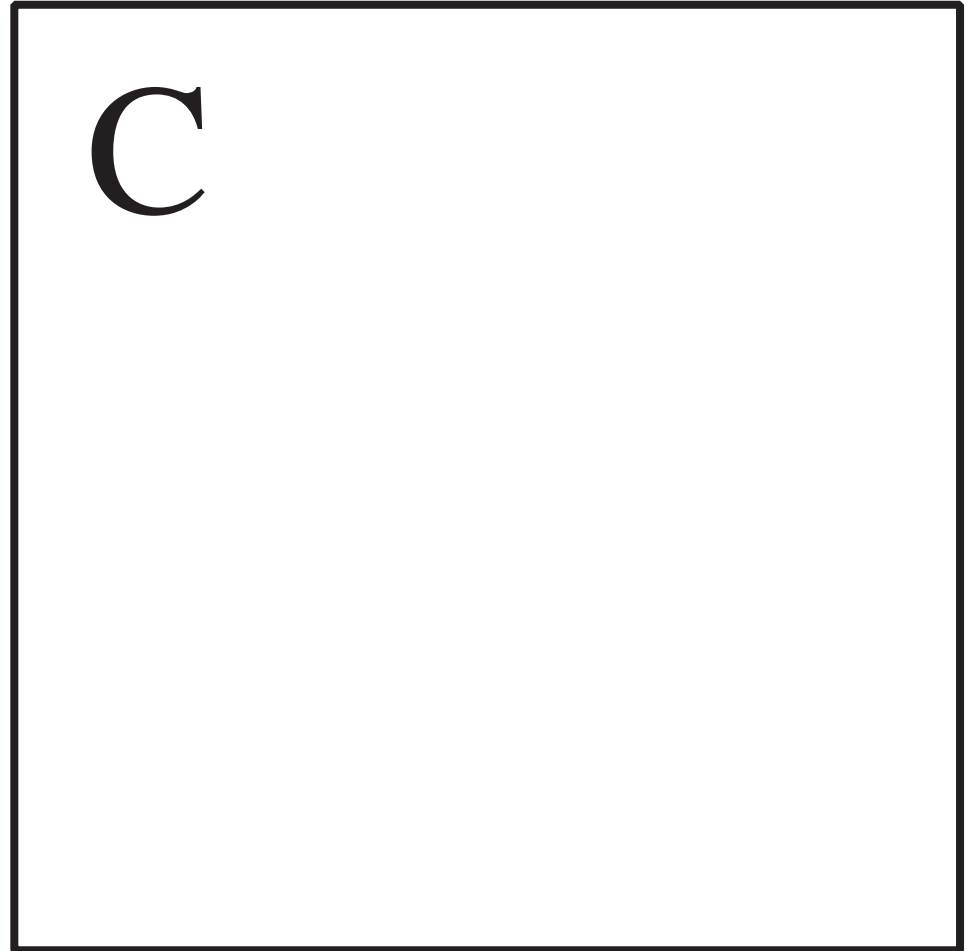
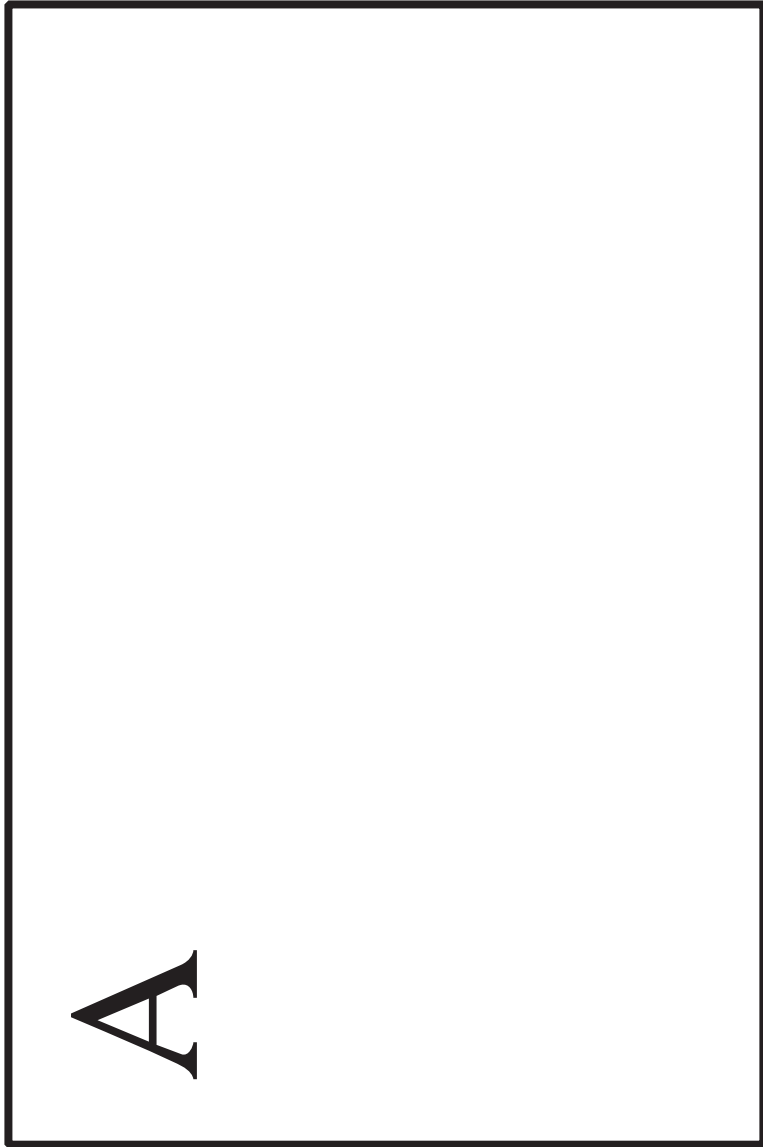
CD =

DE =

EF =

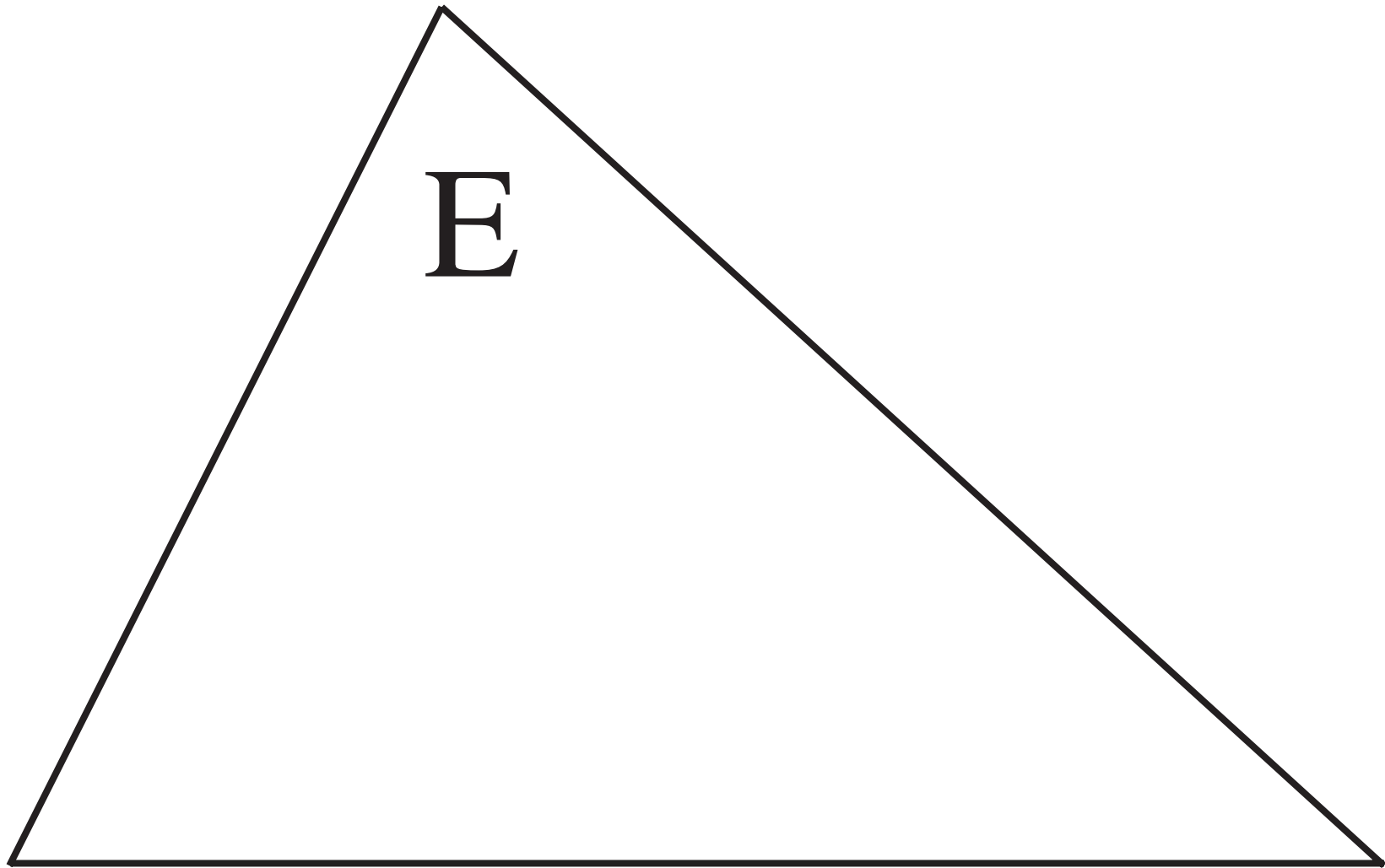
FA =

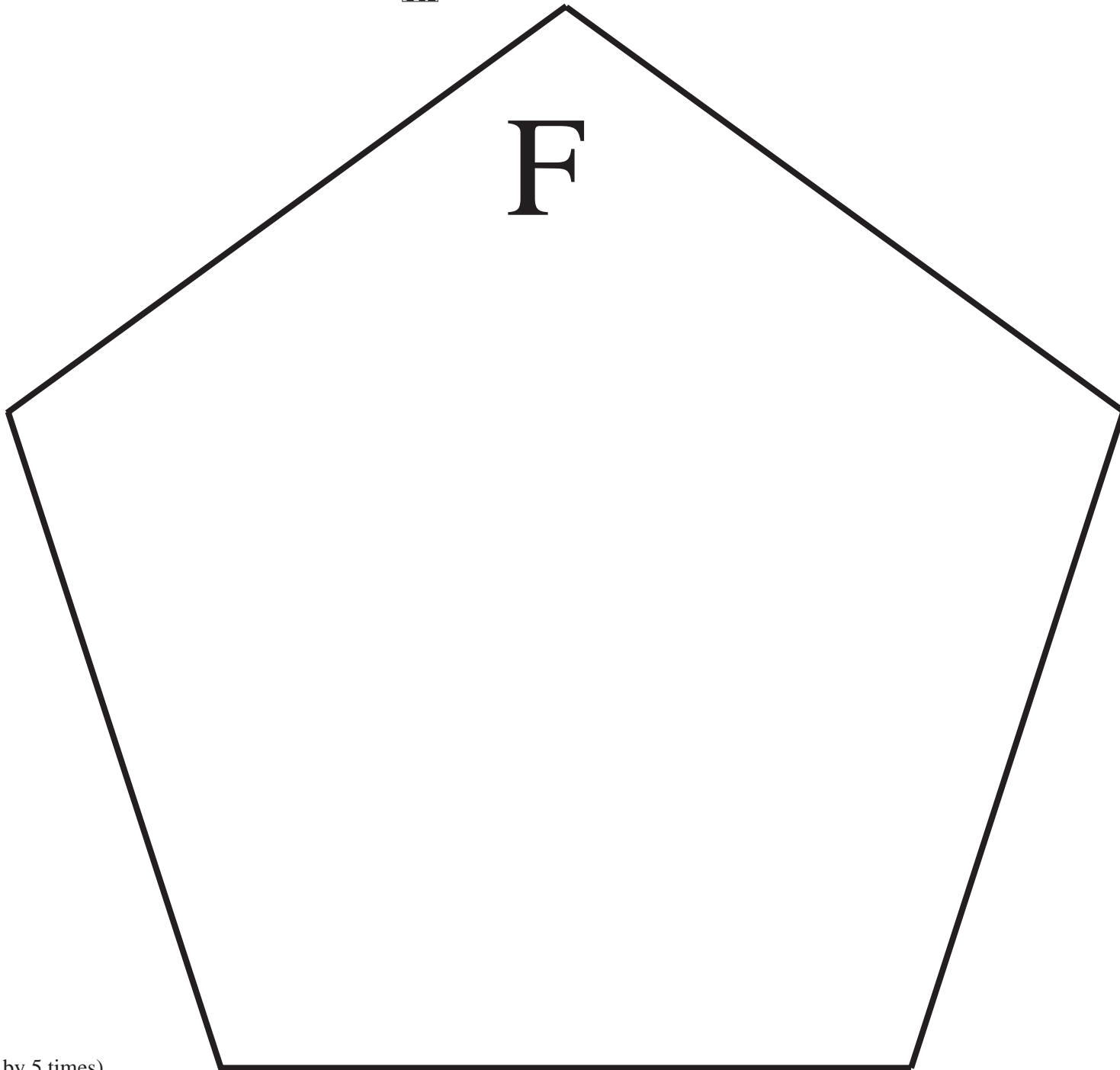




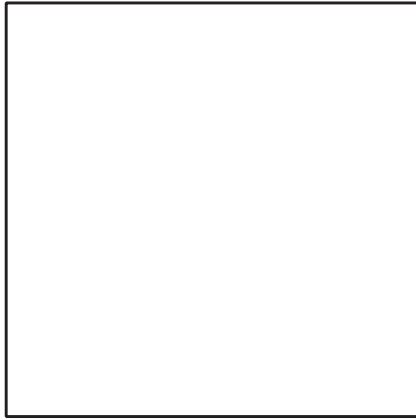
B

D



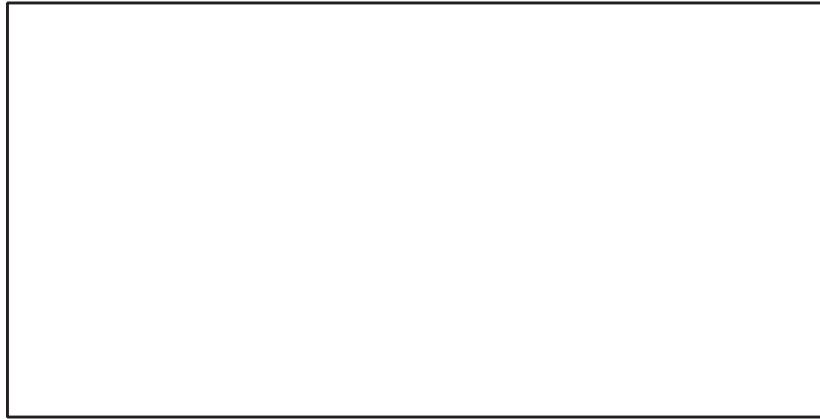


a)



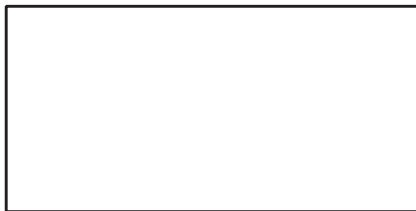
$$P =$$

b)



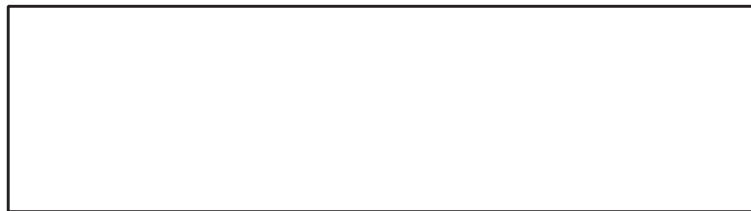
$$P =$$

c)



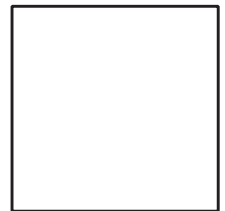
$$P =$$

d)



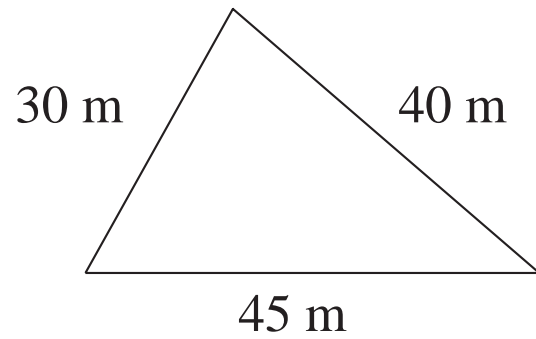
$$P =$$

e)



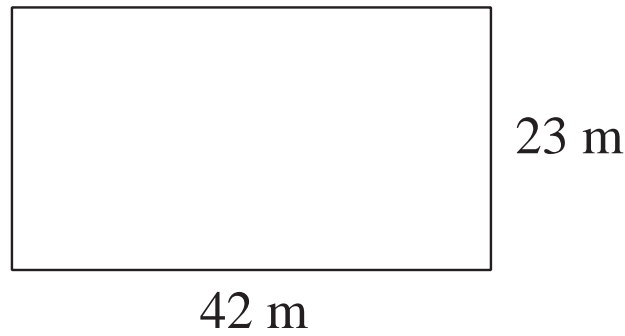
$$P =$$

a)



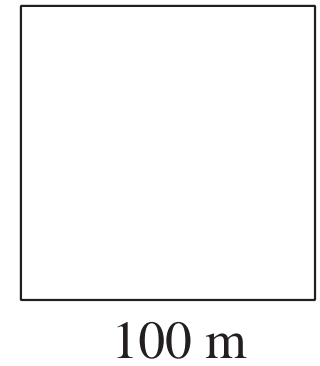
$$P =$$

b)



$$P =$$

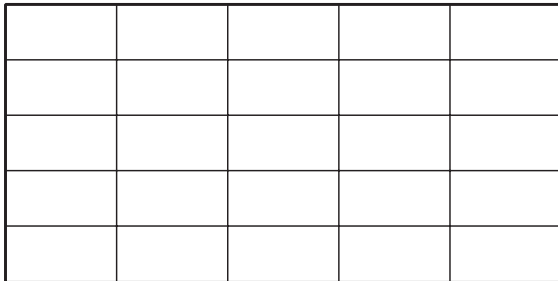
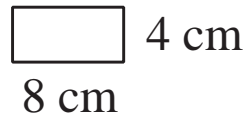
c)



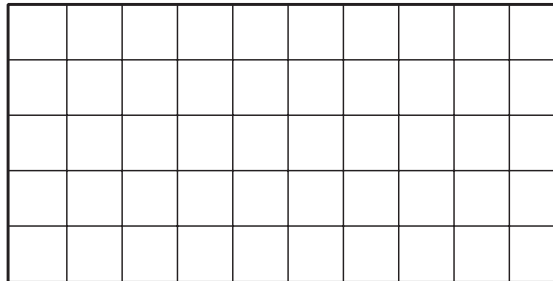
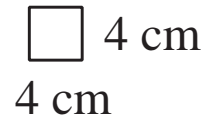
$$P =$$

LP 43/7

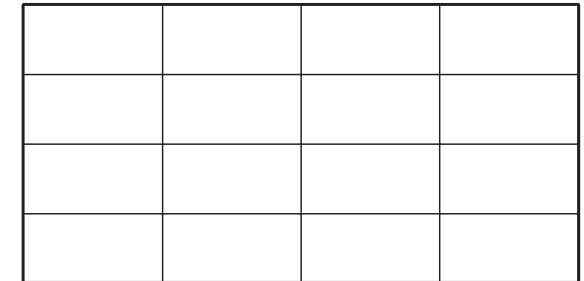
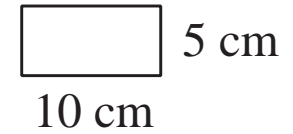
a)



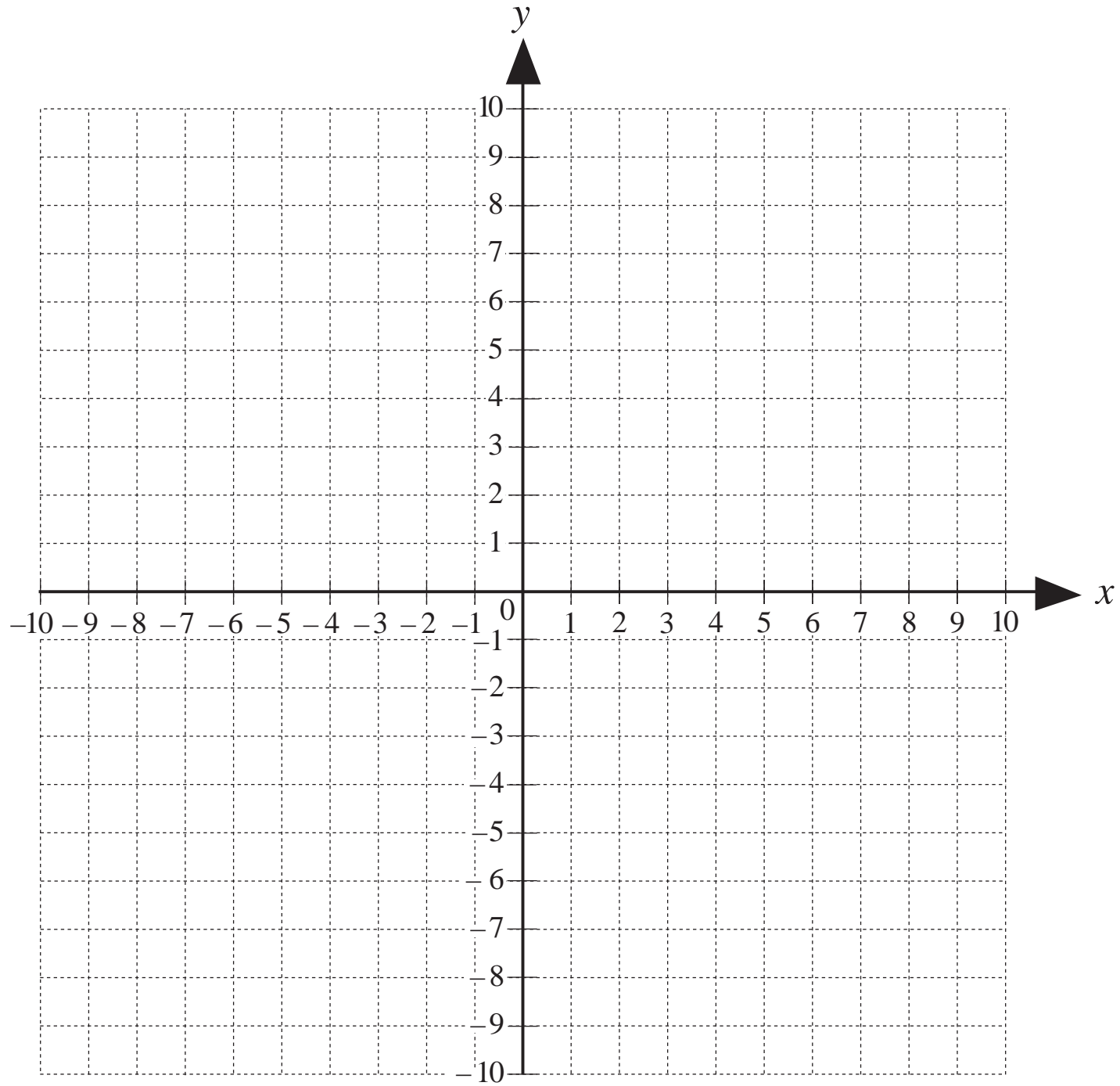
b)



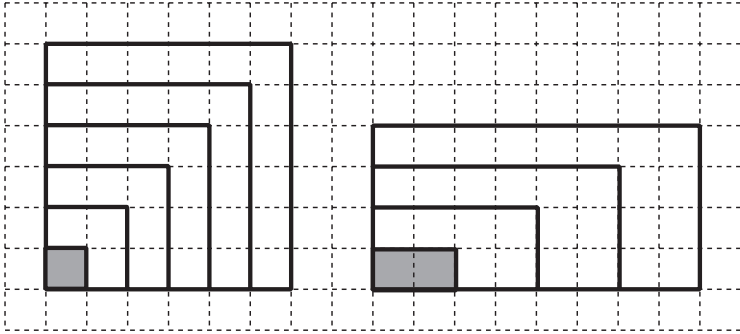
c)



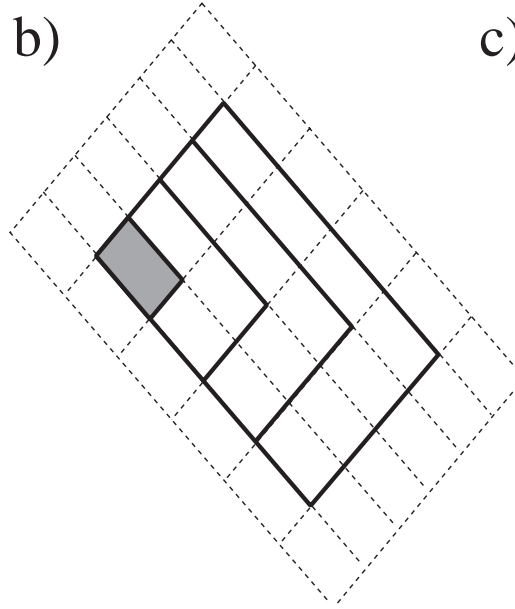
LP 44/3



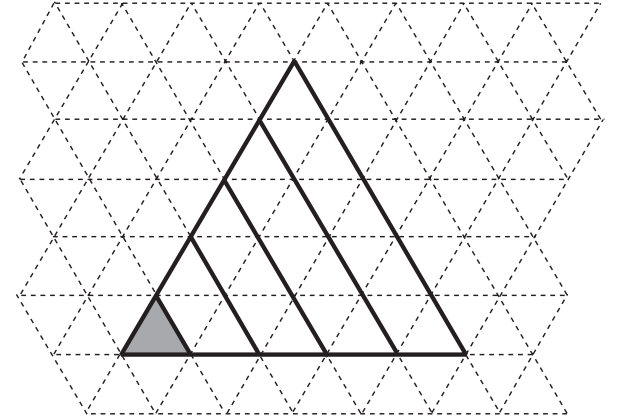
a)



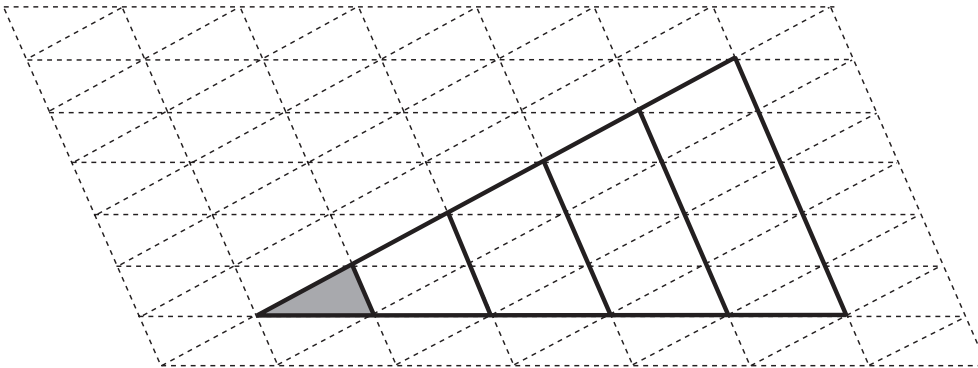
b)



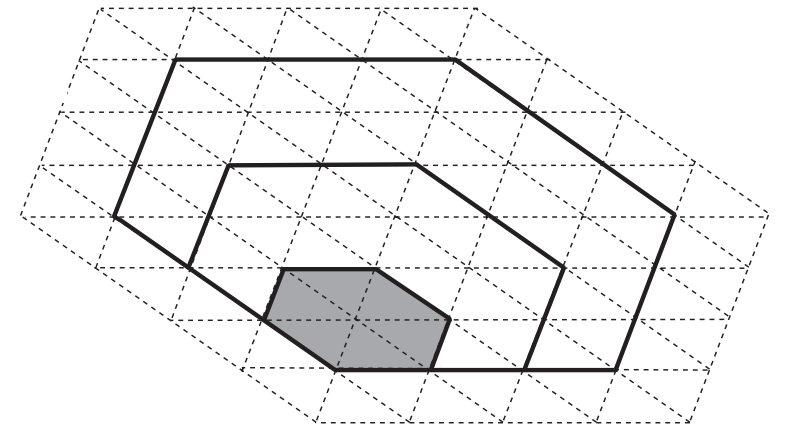
c)

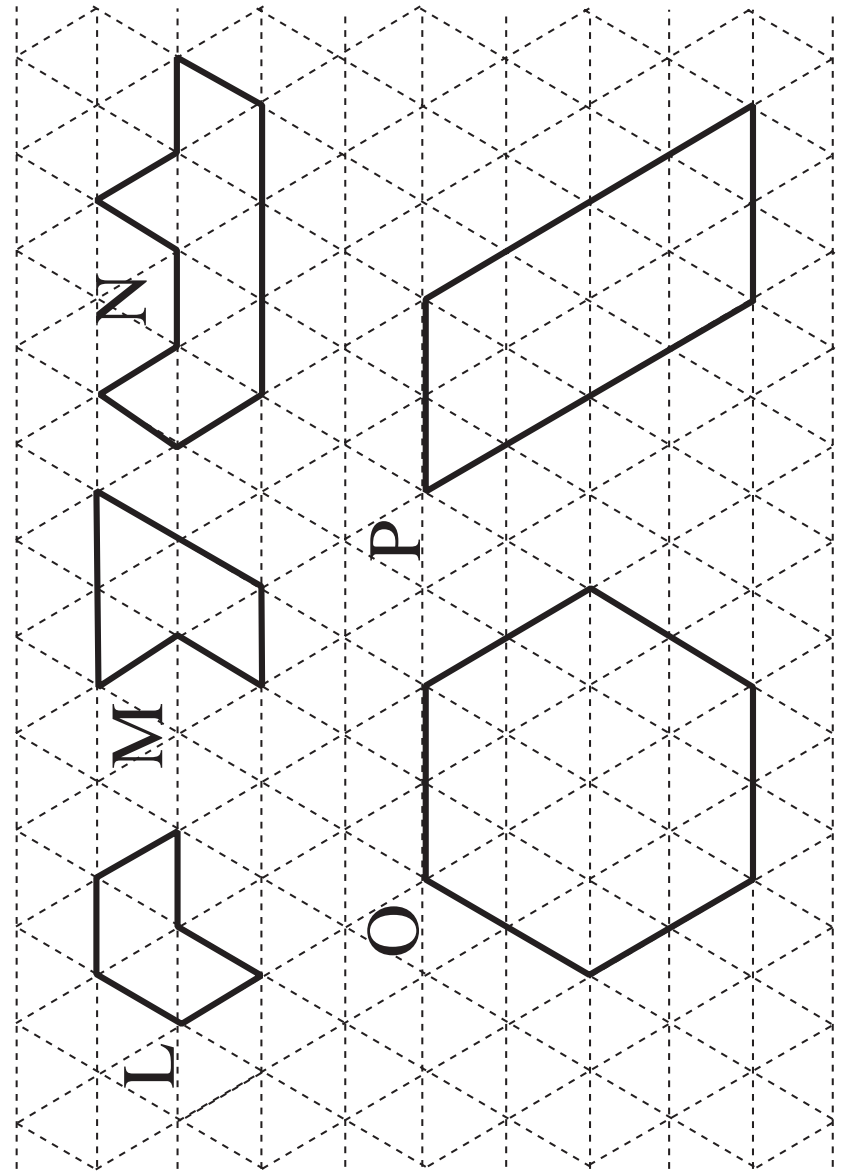
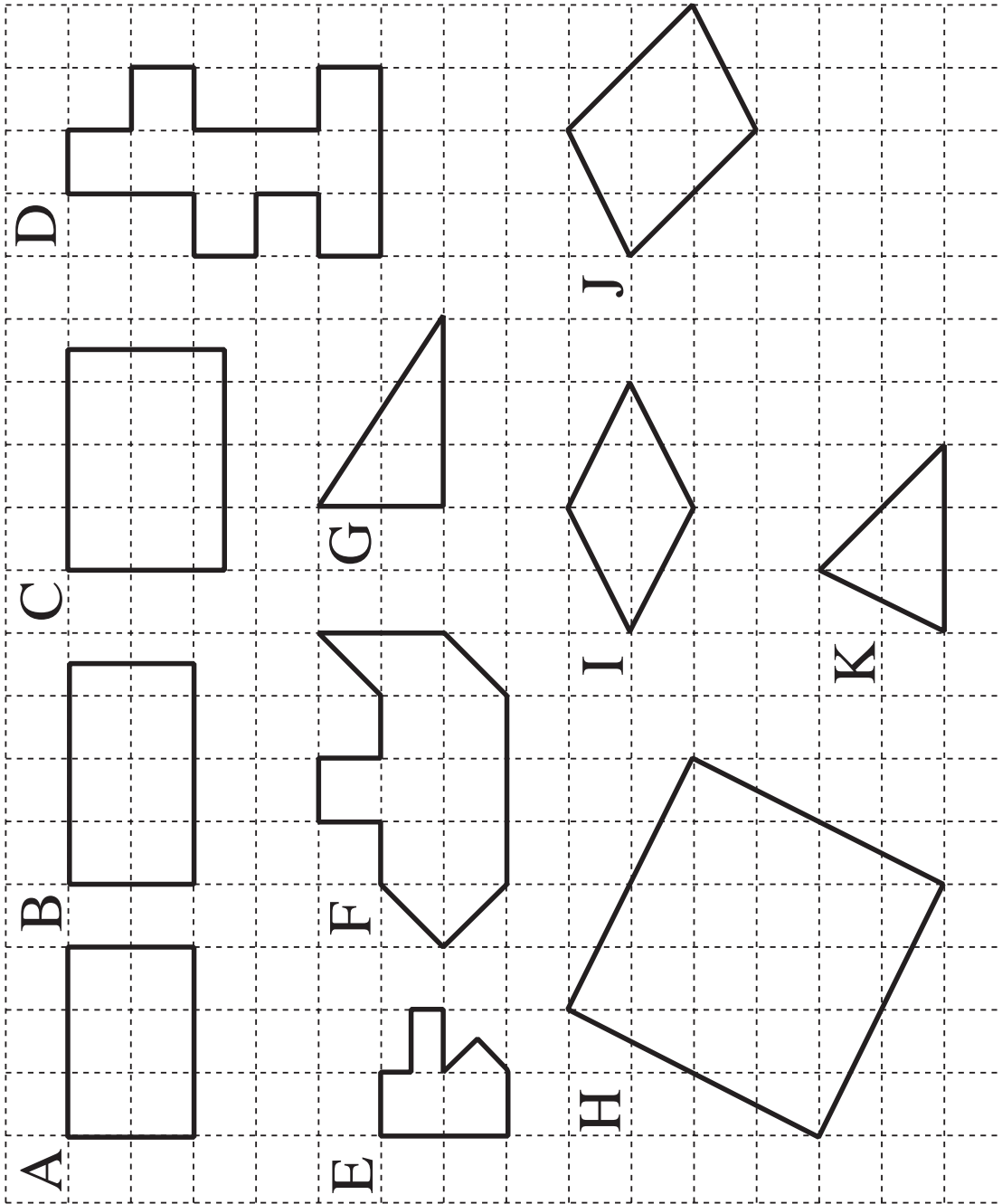


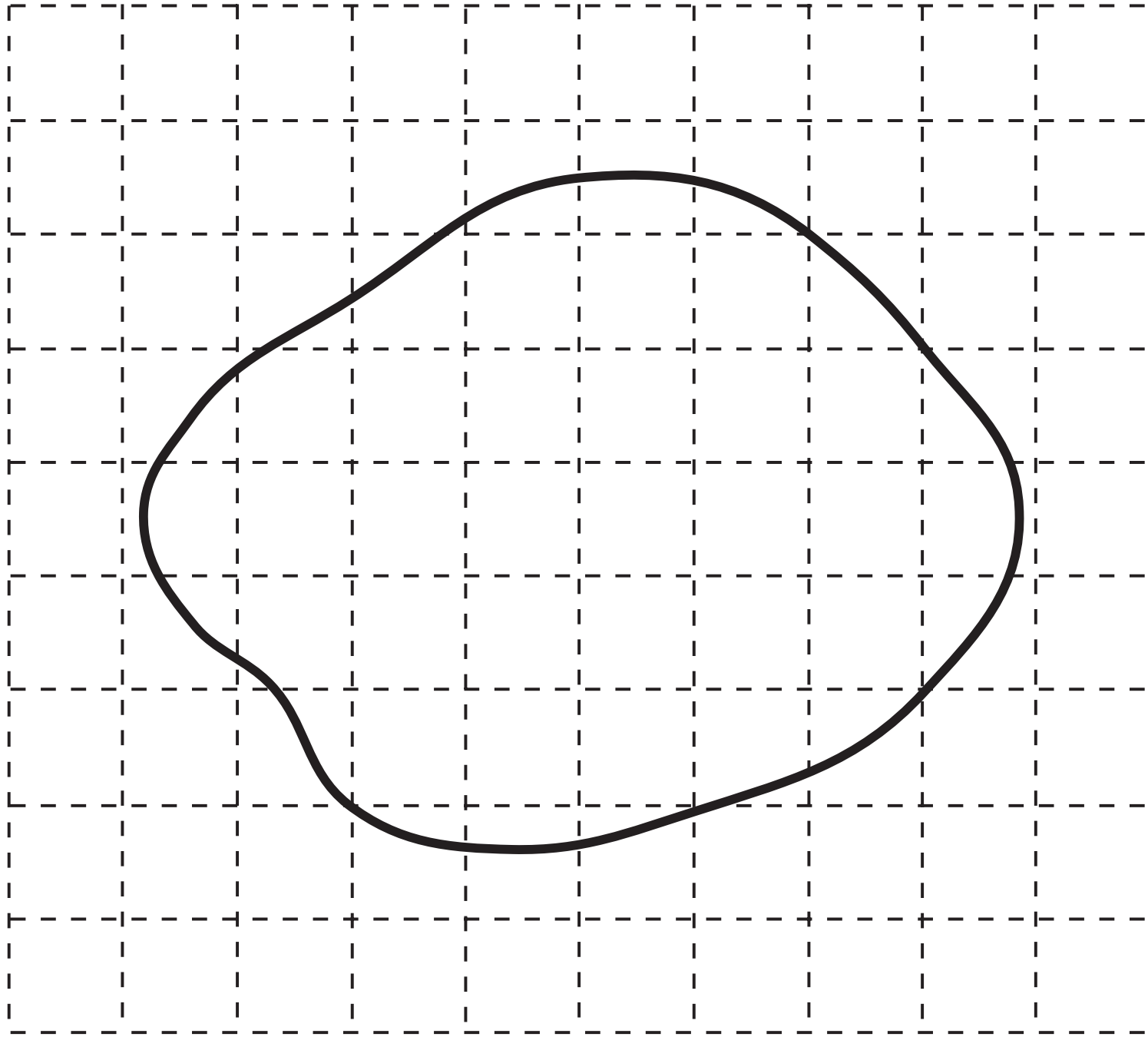
d)



e)







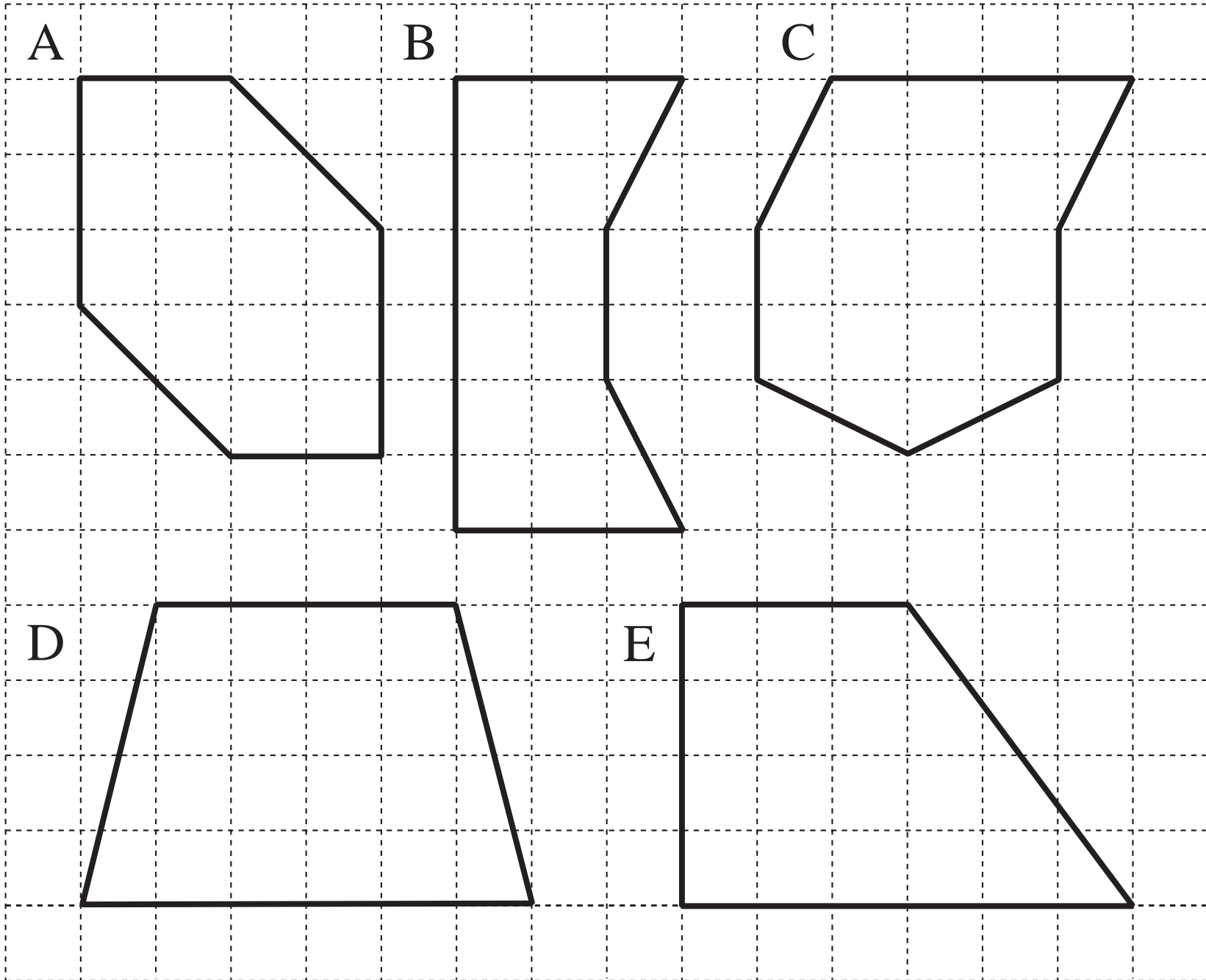
<i>a</i>	5	3	4		6	17		8	12
<i>b</i>	9	7	6	4		7	9	8	
<i>P</i>	28			56	126		135		144

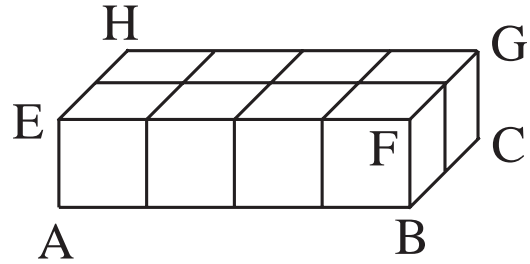
Rule: $P =$

LP 45/1

<i>a</i>	1	2	3	4	5	6	7	8	9
<i>b</i>									

LP 45/3





ABCD =

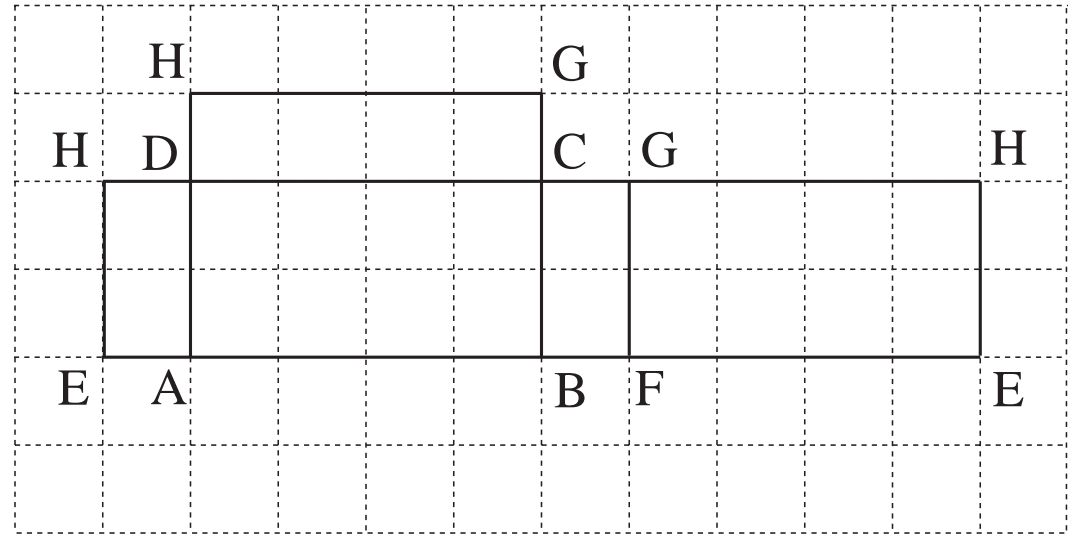
EFGH =

ABFE =

DCGH =

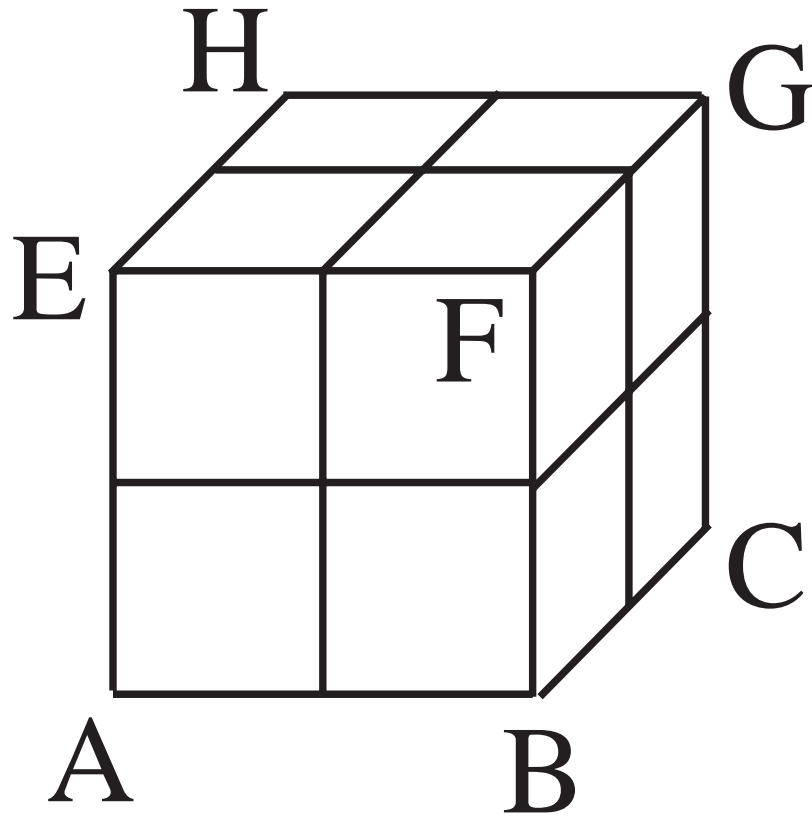
ADHE =

BCGF =

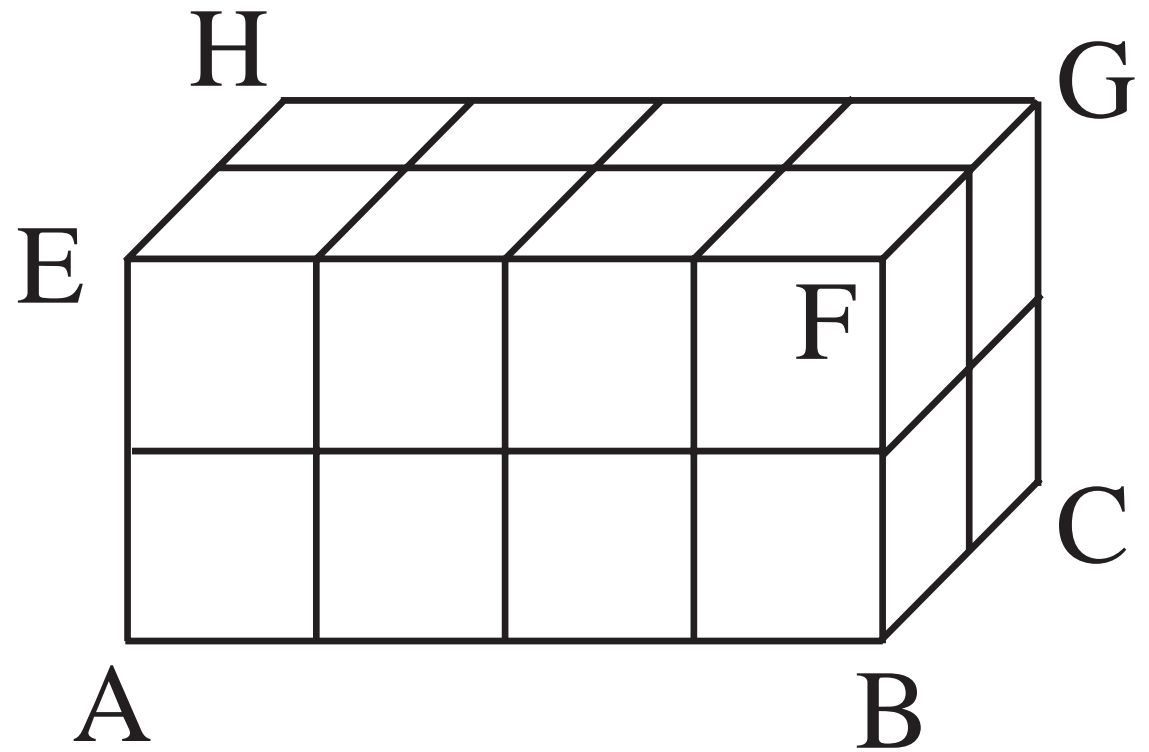


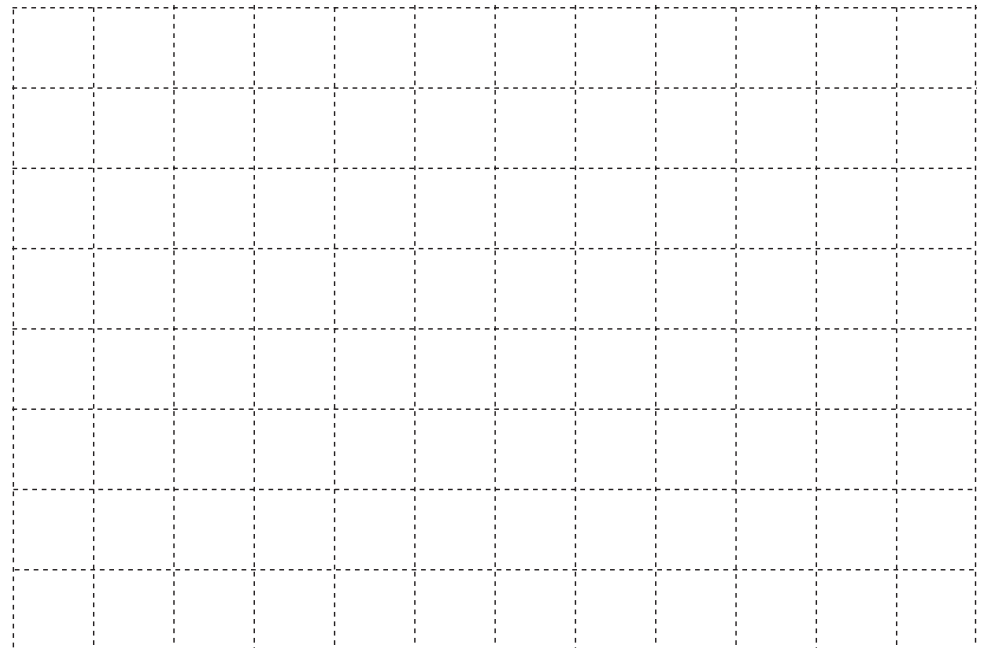
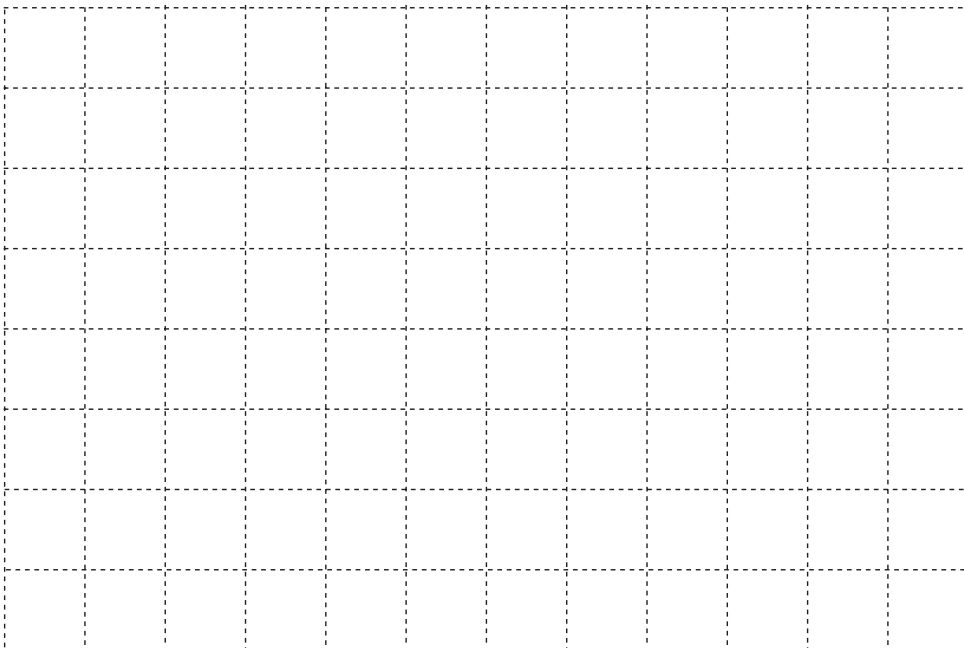
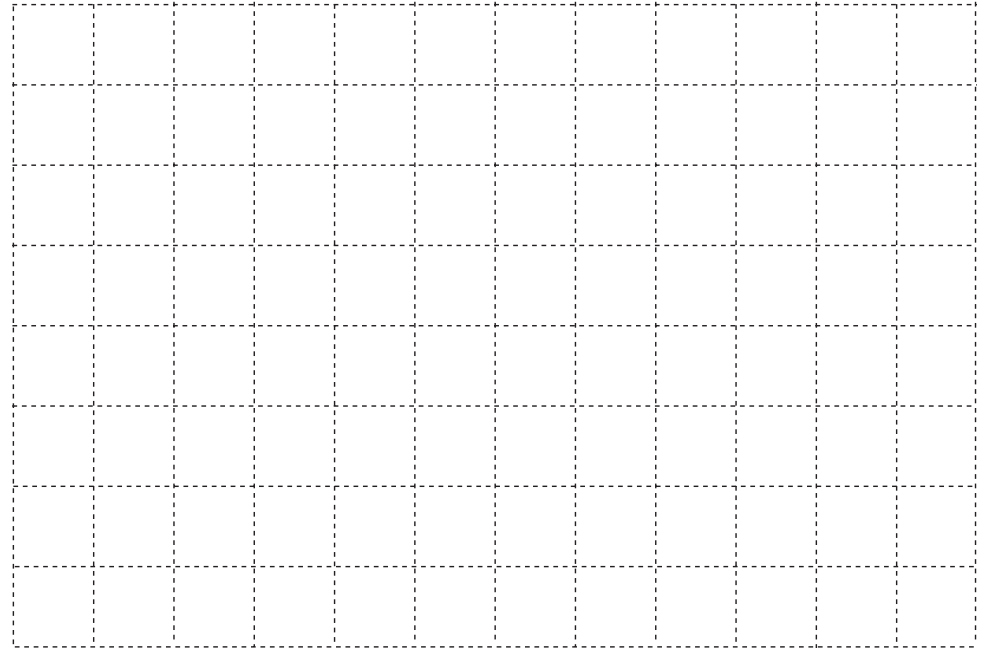
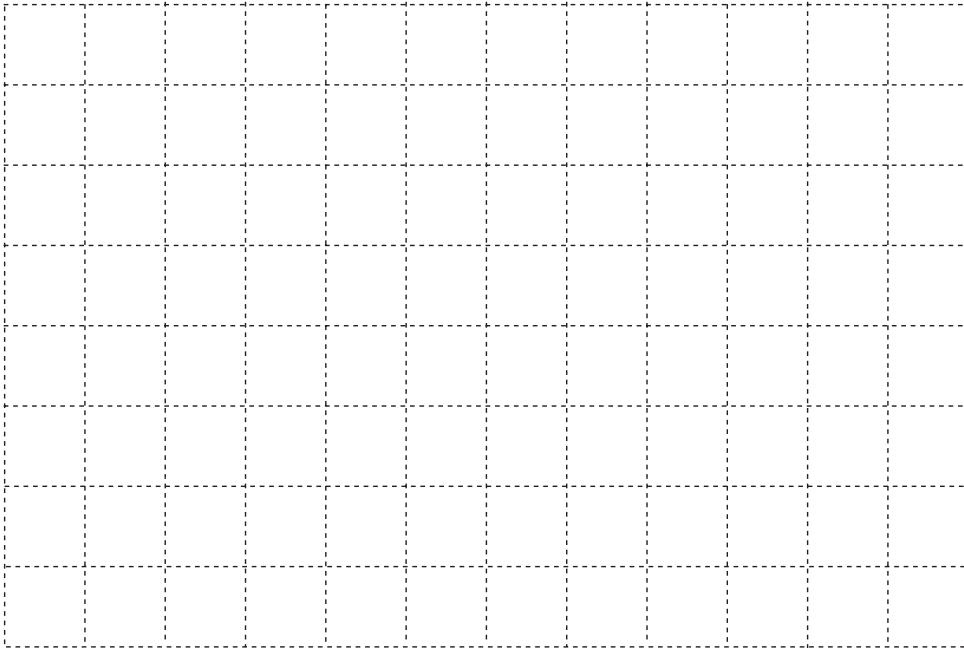
Total
area =

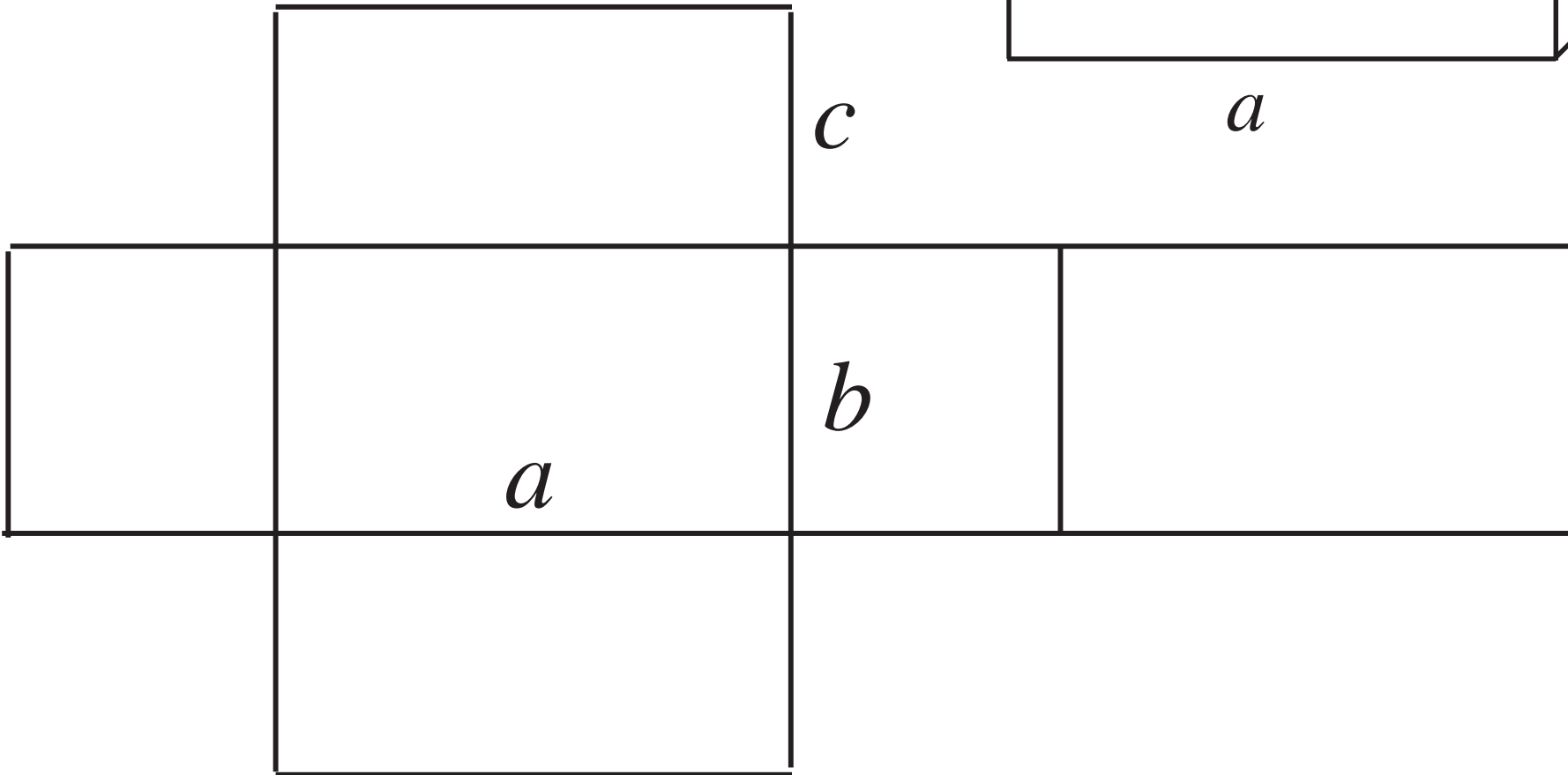
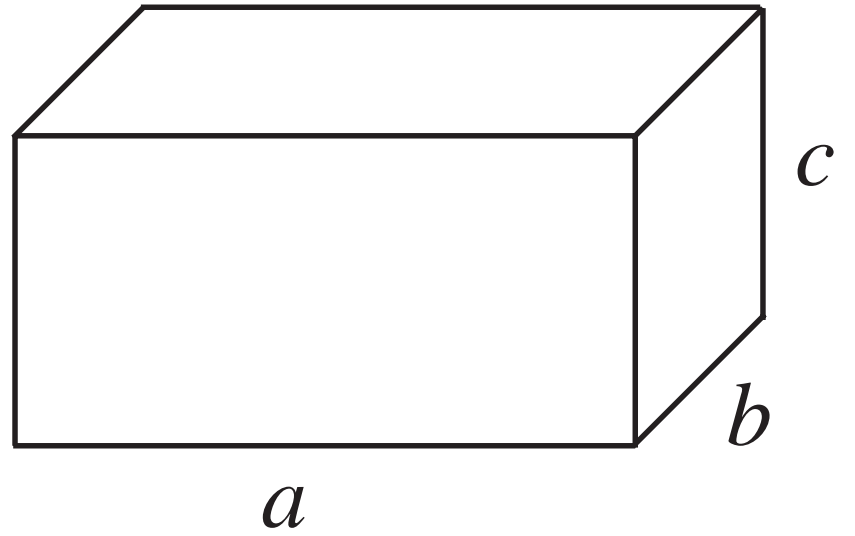
a)



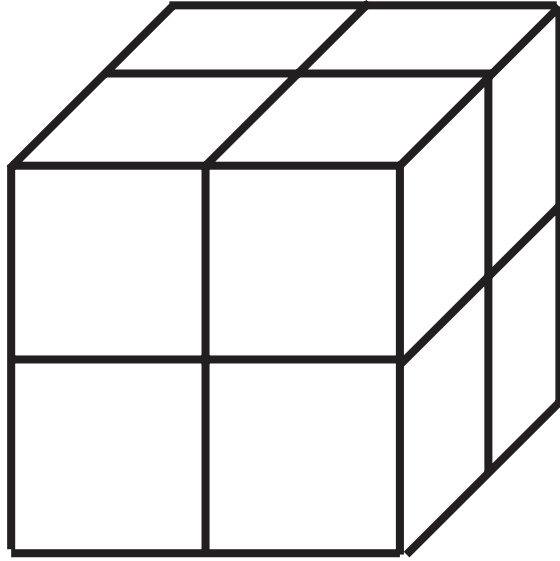
b)





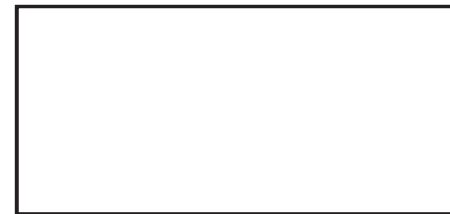
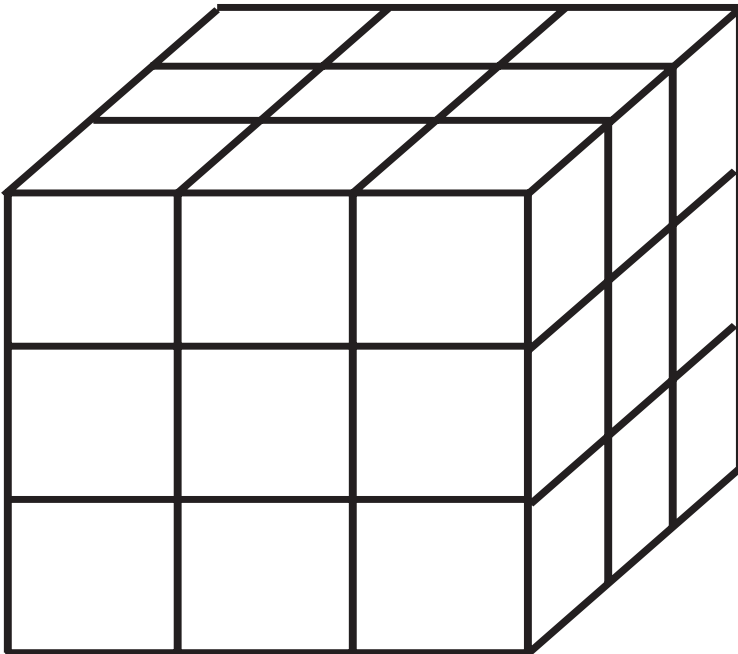


a)

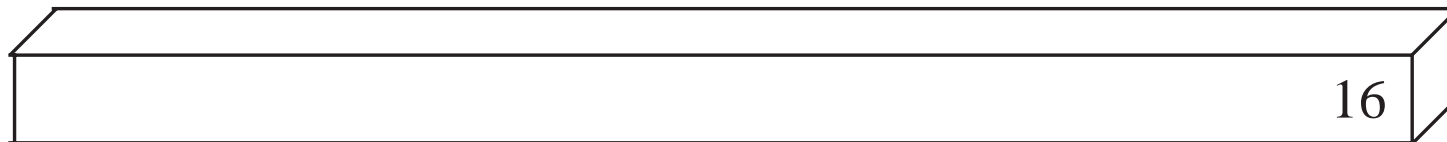
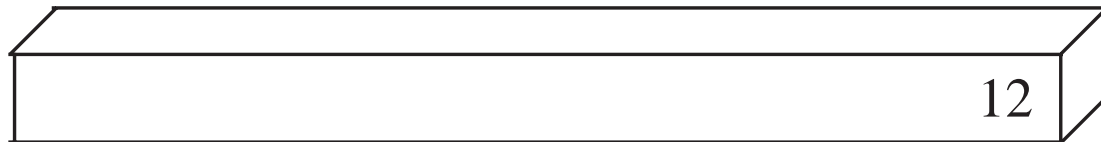
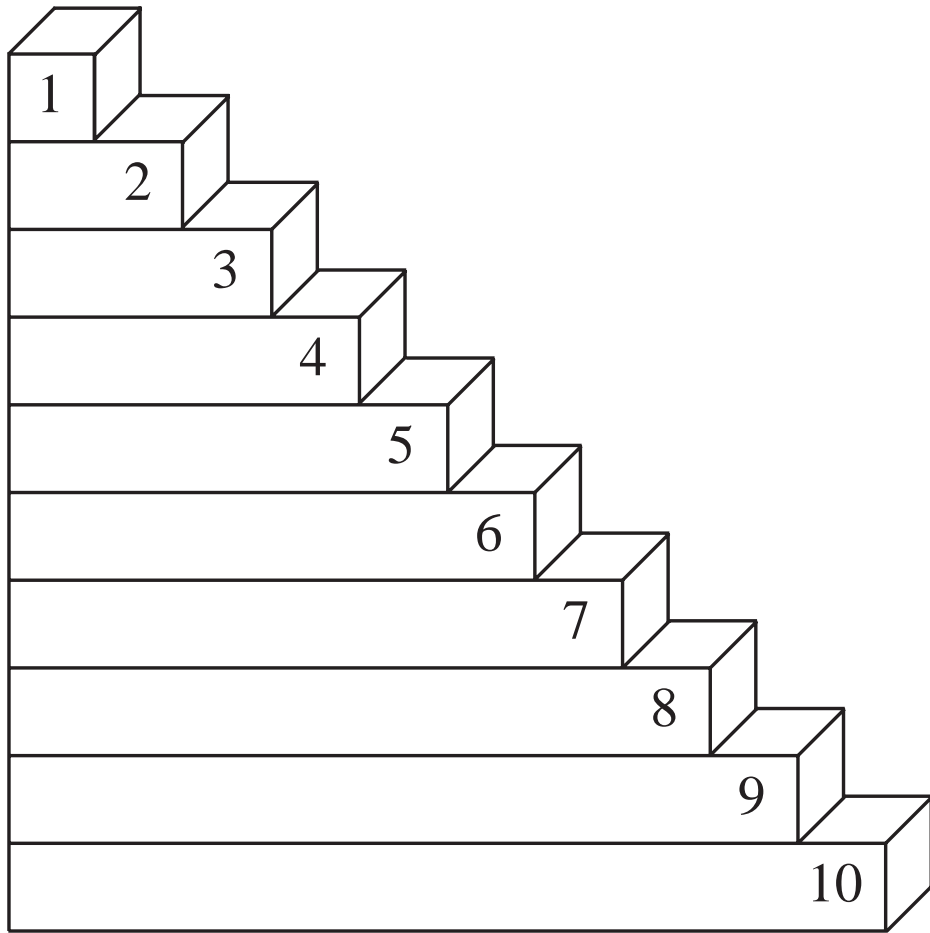


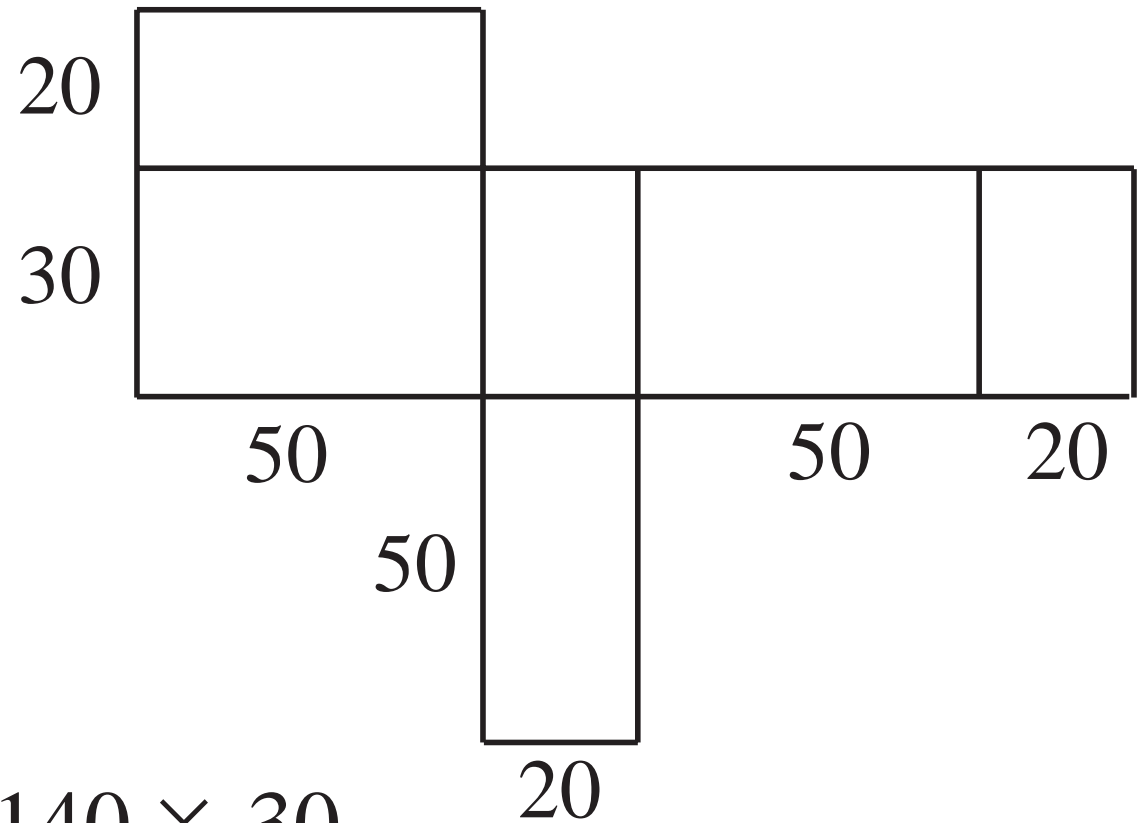
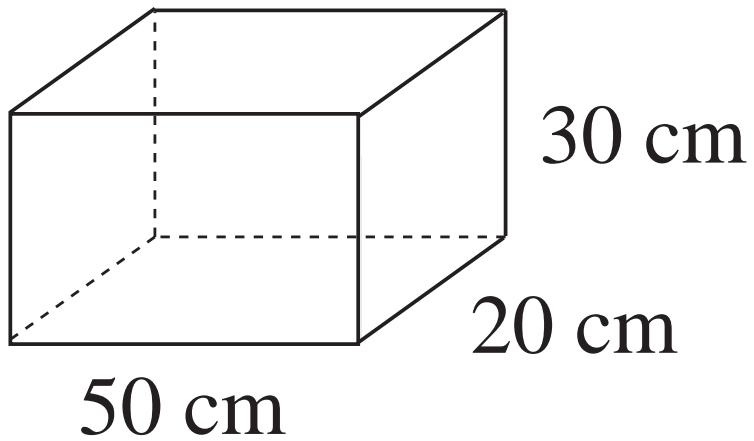
unit cubes

b)



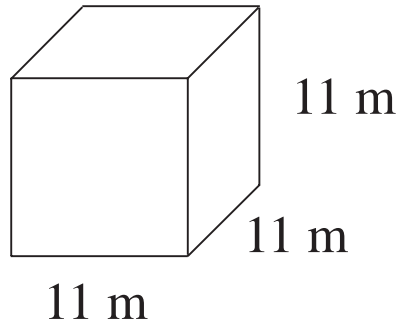
unit cubes





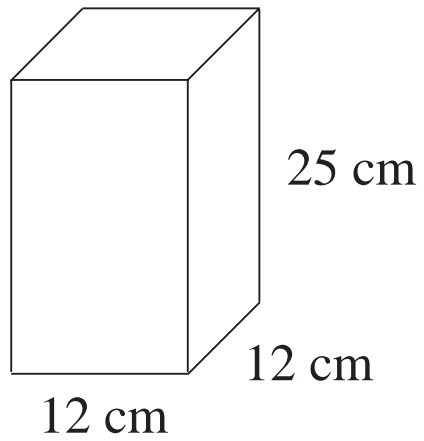
$$\begin{aligned} A &= 2 \times (50 \times 20) + 140 \times 30 \\ &= 2 \times 1000 + 4200 \\ &= 2000 + 4200 \\ &= \underline{6200 \text{ (cm}^2\text{)}} \end{aligned}$$

a)



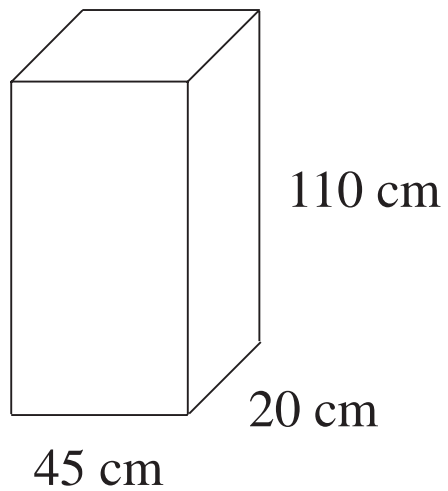
$$A = \text{-----}$$
$$\text{-----}$$

b)



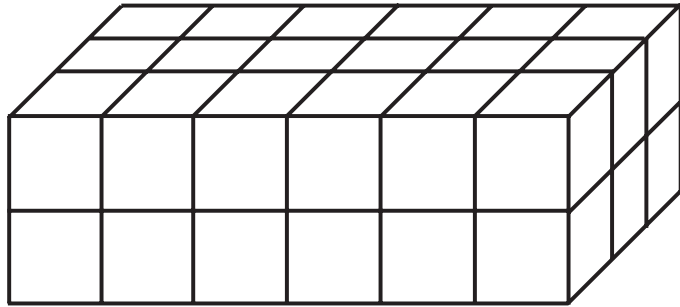
$$A = \text{-----}$$
$$\text{-----}$$
$$\text{-----}$$

c)



$$A = \text{-----}$$
$$\text{-----}$$
$$\text{-----}$$

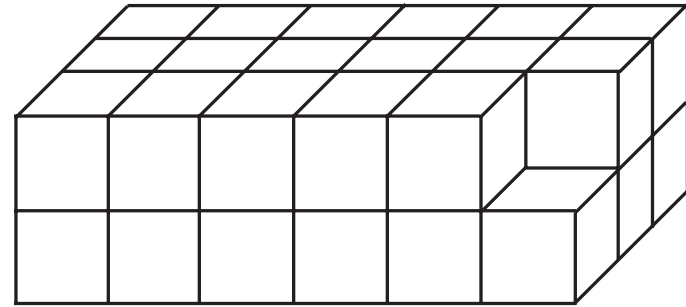
a)



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

$$V = \dots\dots\dots$$

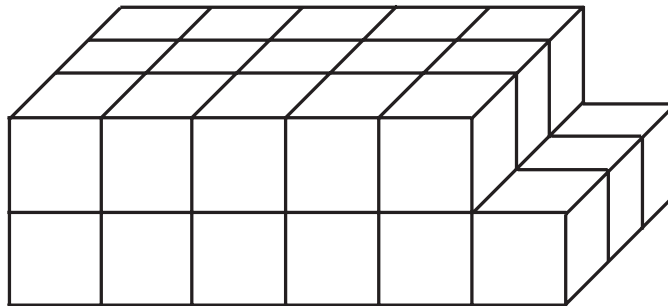
b)



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

$$V = \dots\dots\dots$$

c)

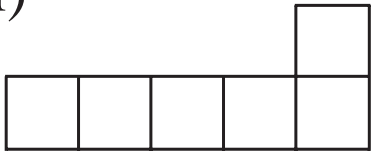


$$A = \dots\dots\dots$$

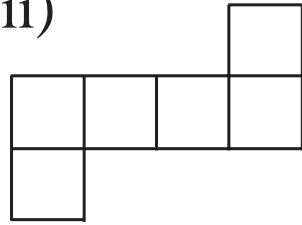
$$V = \dots\dots\dots$$

a)

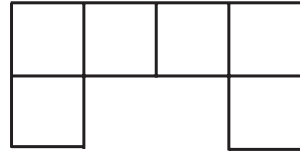
i)



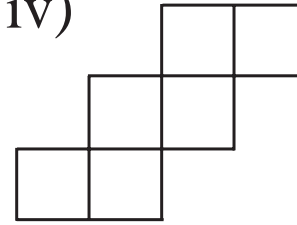
ii)



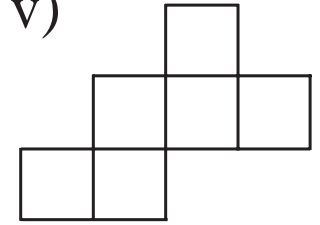
iii)



iv)

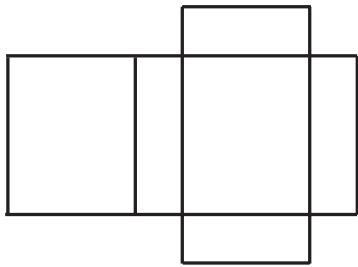


v)

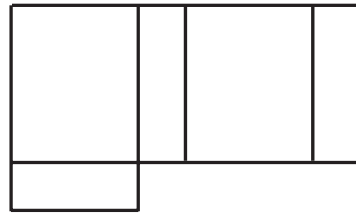


b)

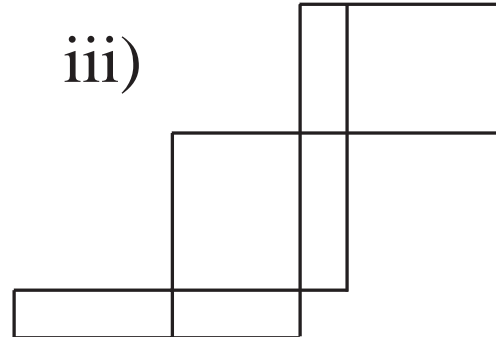
i)



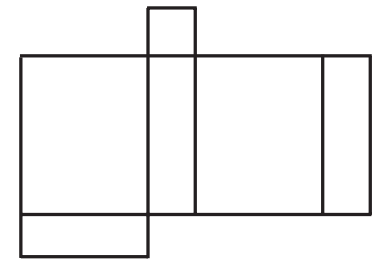
ii)



iii)

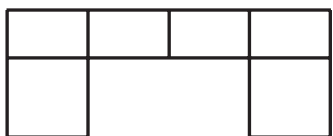


iv)

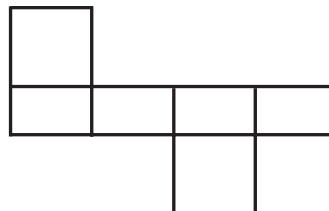


c)

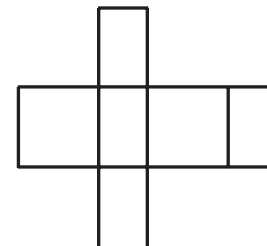
i)



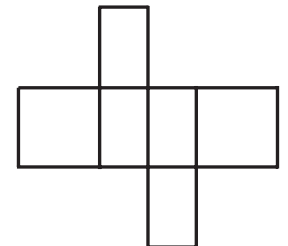
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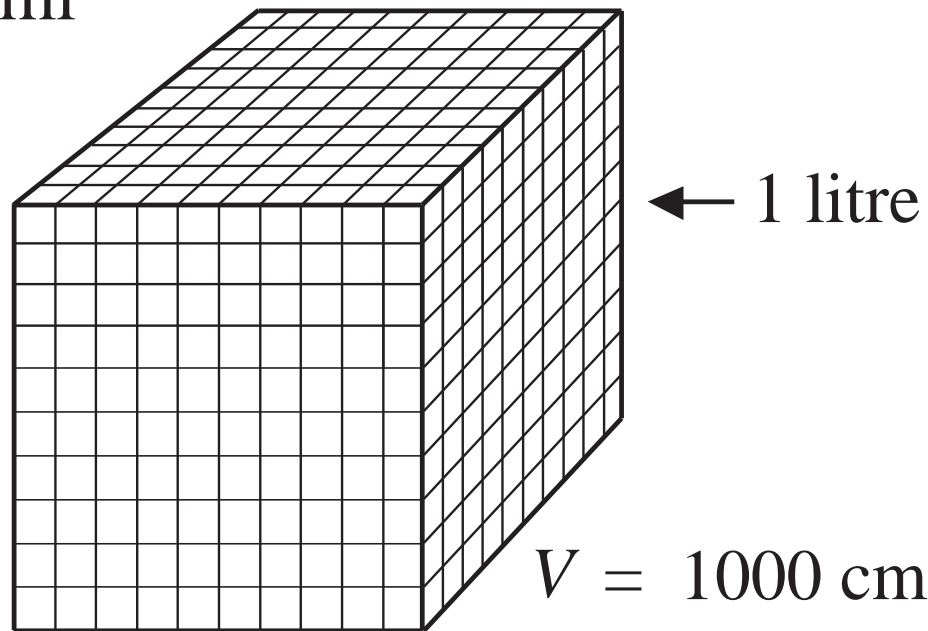
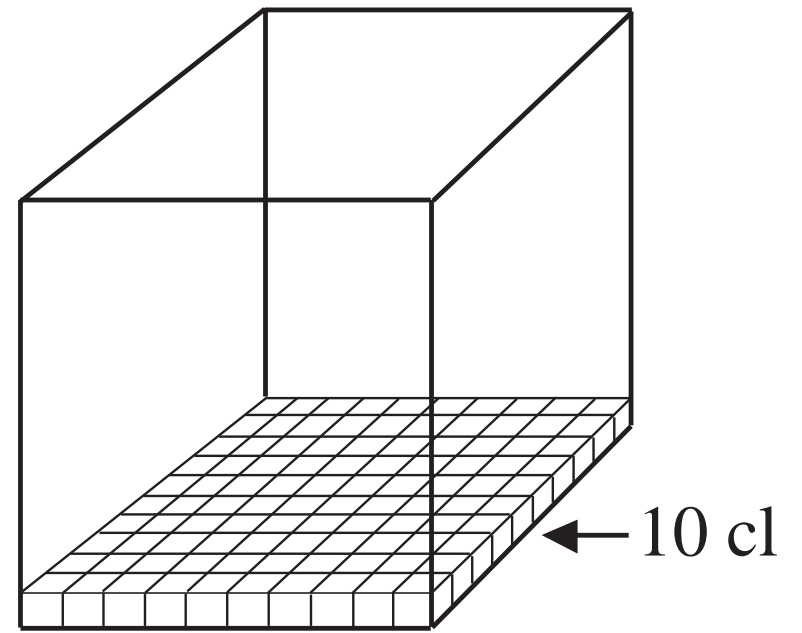
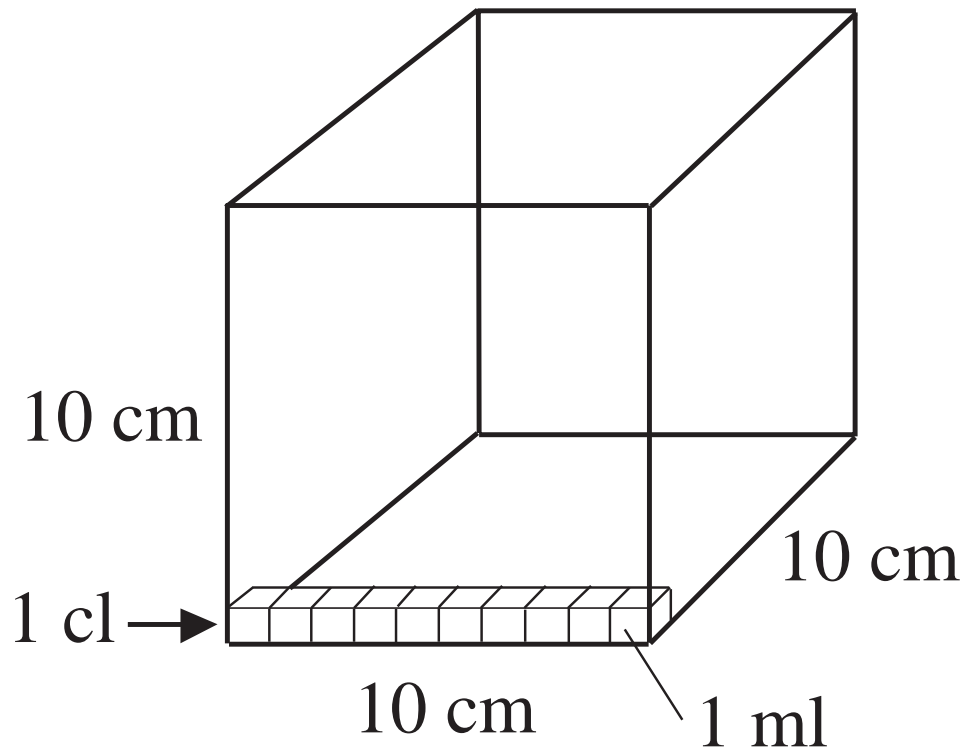


iii)



iv)





a)

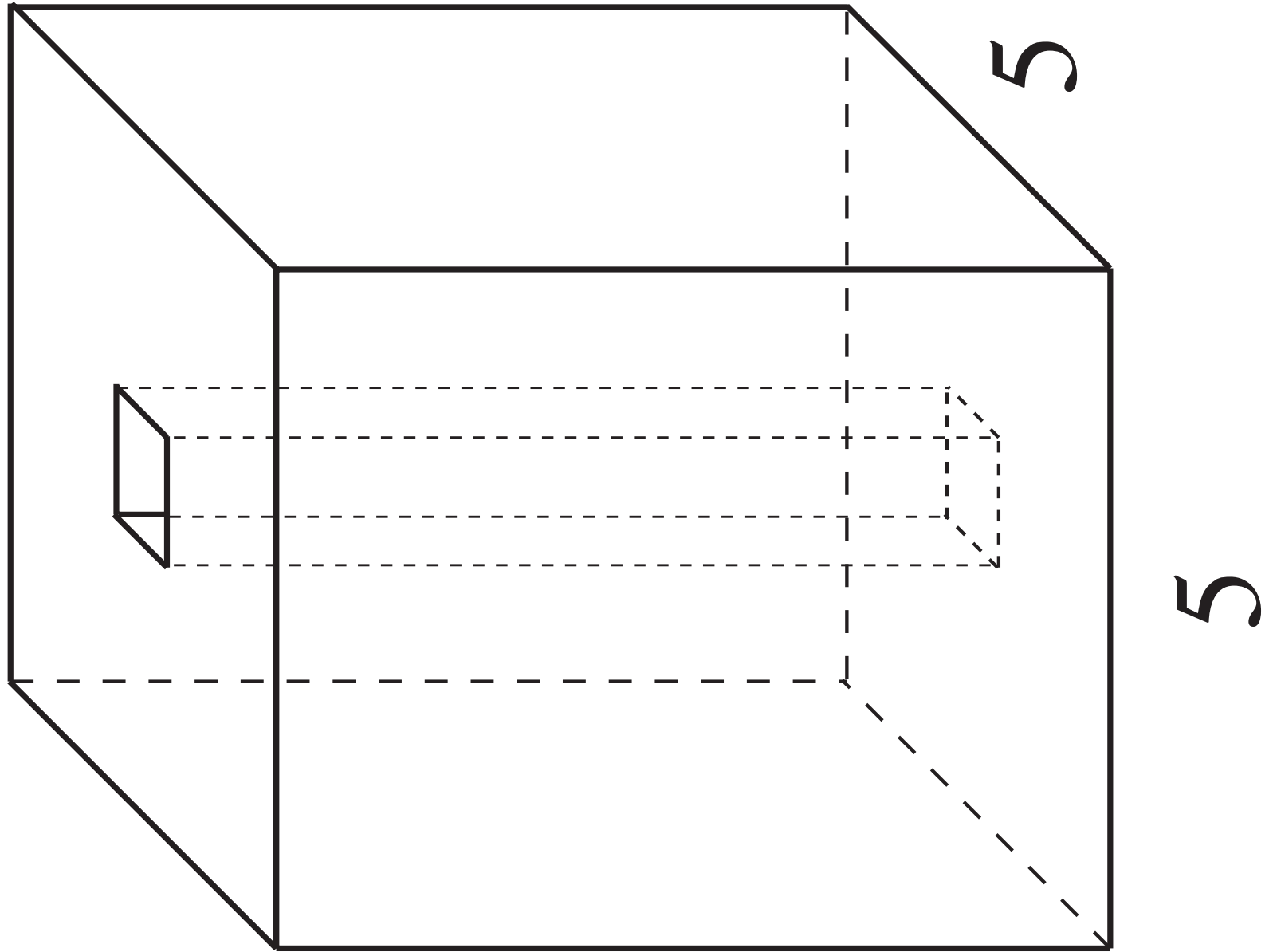
<i>a</i>	<i>b</i>	<i>c</i>

b)

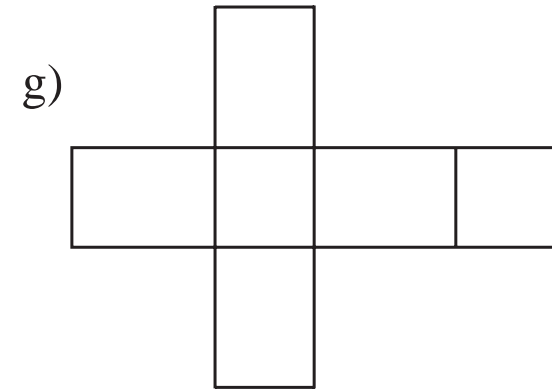
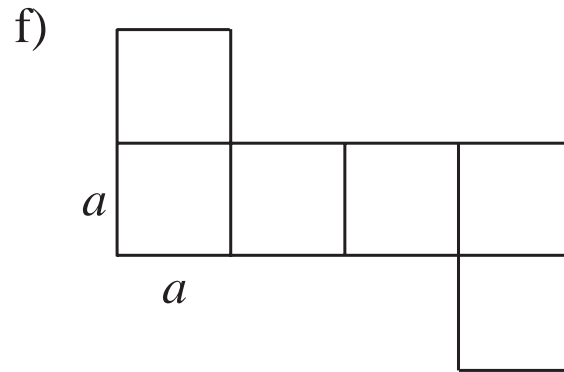
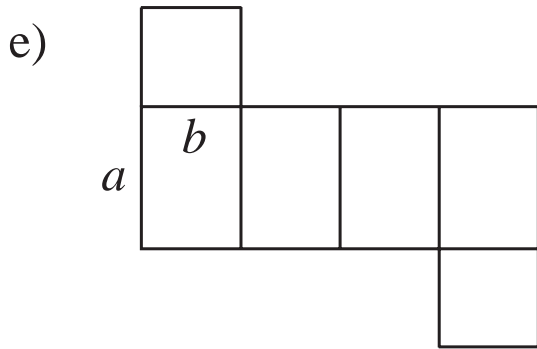
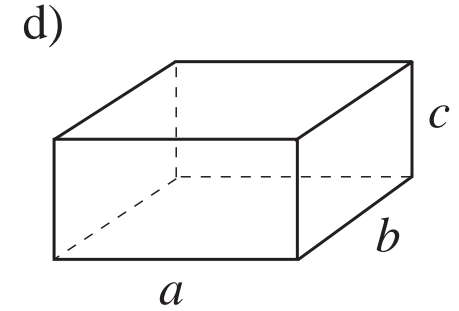
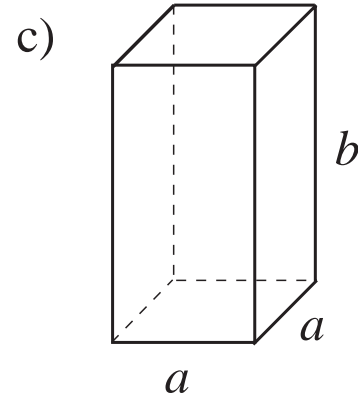
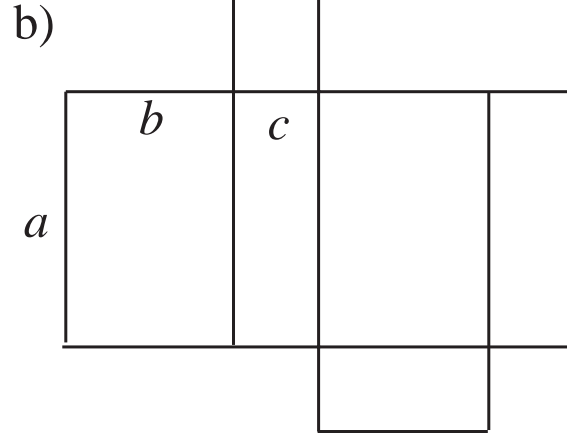
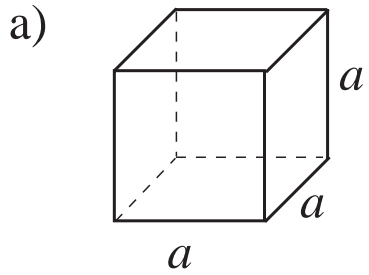
<i>a</i>	<i>b</i>	<i>c</i>

c)

<i>a</i>	<i>b</i>	<i>c</i>



8



$V =$

cube

$A =$

$V =$

square-based cuboid

$A =$

$V =$

cuboid

$A =$

<i>a</i>								
<i>b</i>								
<i>c</i>								

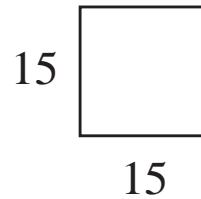
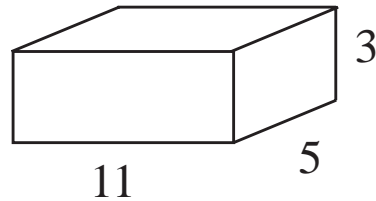
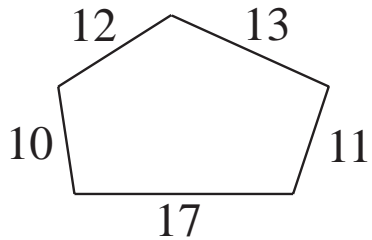
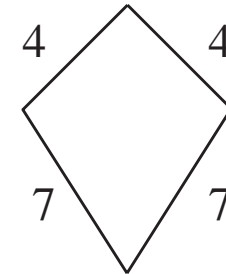
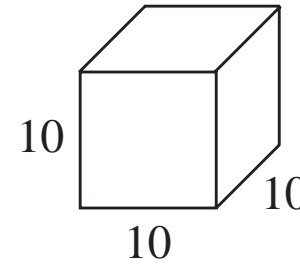
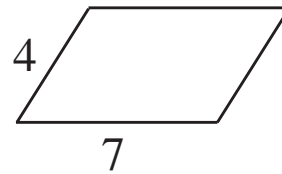
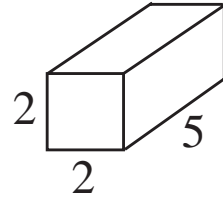
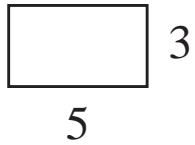
$$2 \times 2 \times 2 + 4 \times 2 \times 5$$

$$4 \times 15$$

$$(5 + 3) \times 2$$

$$11 \times 5 \times 3$$

$$(4 + 7) \times 2$$



$$10 + 12 + 13 + 11 + 17$$

$$2 \times 2 \times 5$$

$$6 \times 10 \times 10$$

$$(11 \times 5 + 11 \times 3 + 5 \times 3) \times 2$$

$$15 \times 15$$

$$10 \times 10 \times 10$$

$$5 \times 3$$

