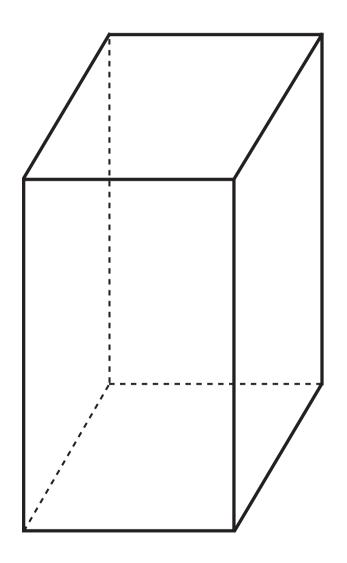


## plane shape

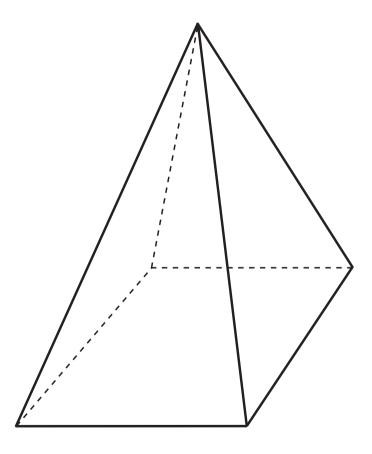


face

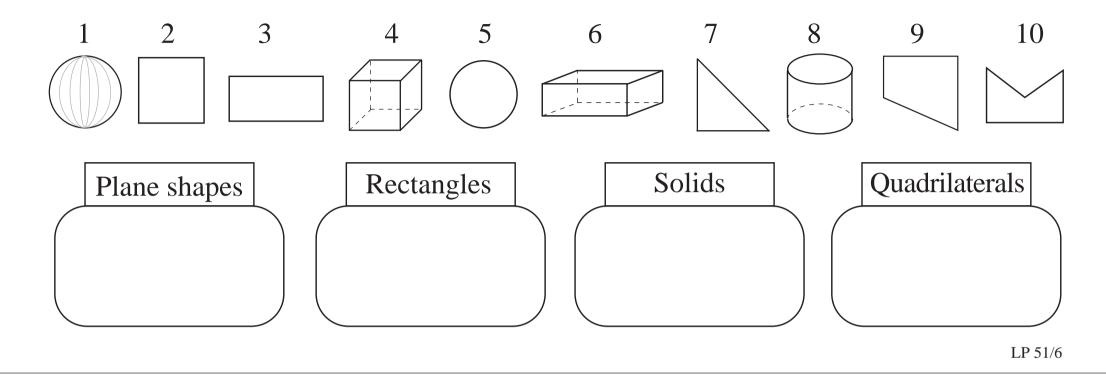
point

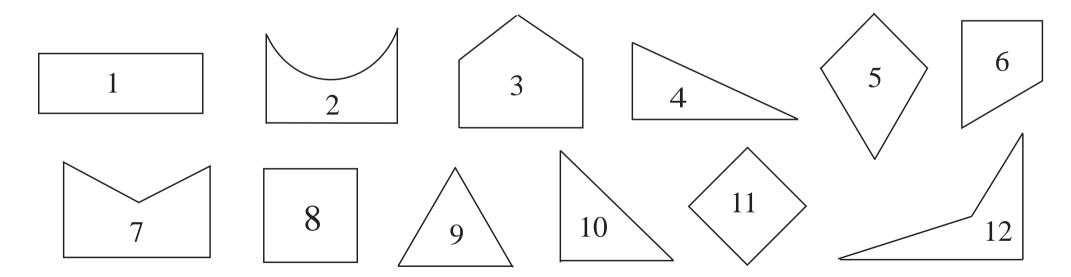
edge

vertex



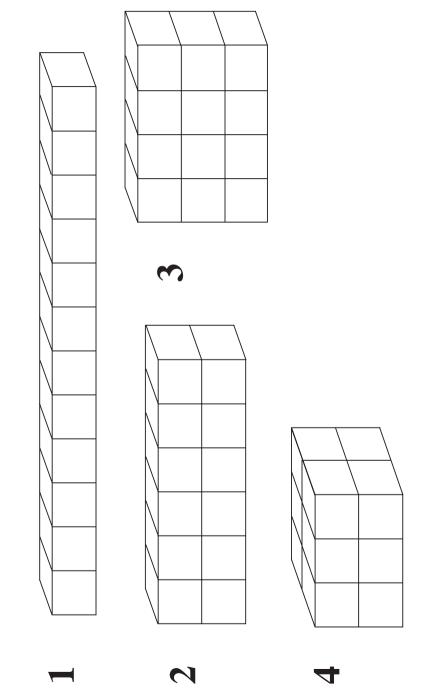
Number of faces			
Number of vertices			
Number of edges			
Number of			
Number of			
Number of $\triangle$			





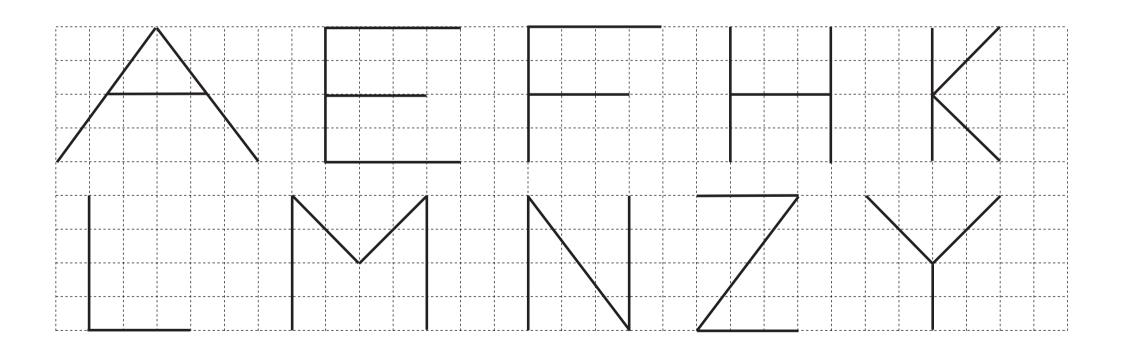
Ì	m	ı e	р	
		Ρ.	-	

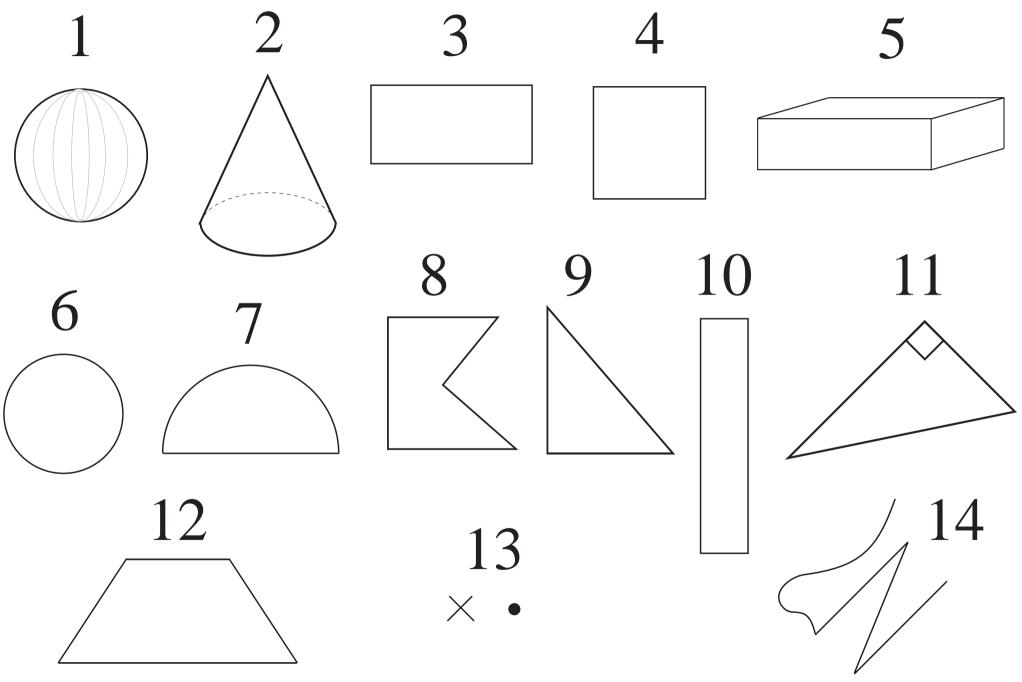
Cuboids	1 2 3 4			
		Edge a =	Edge $b =$	Edge $c =$

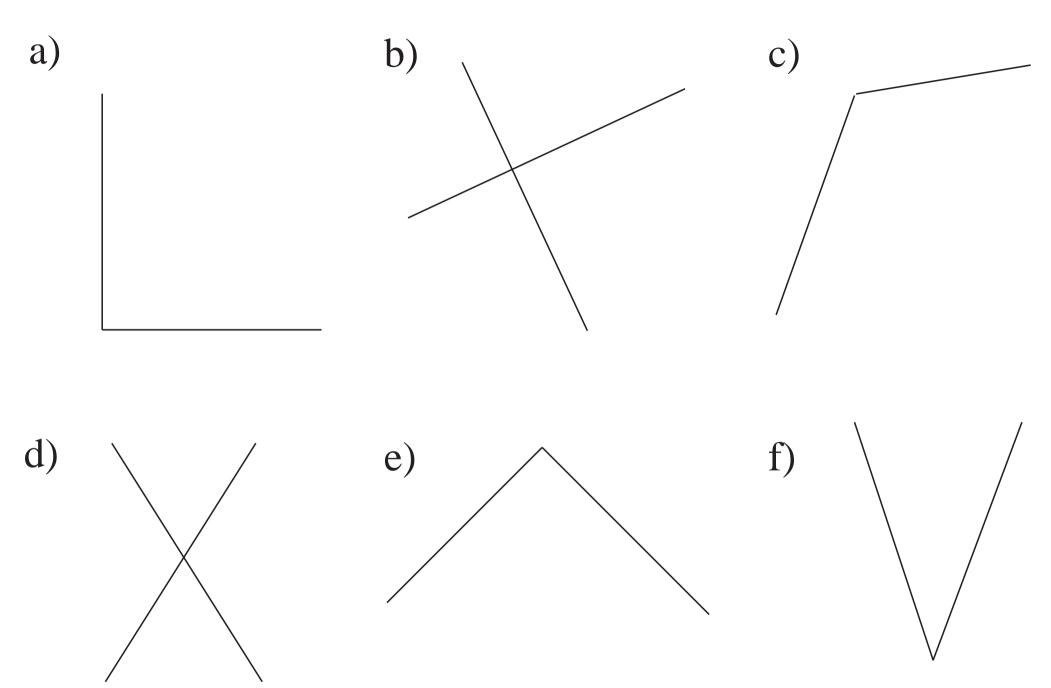


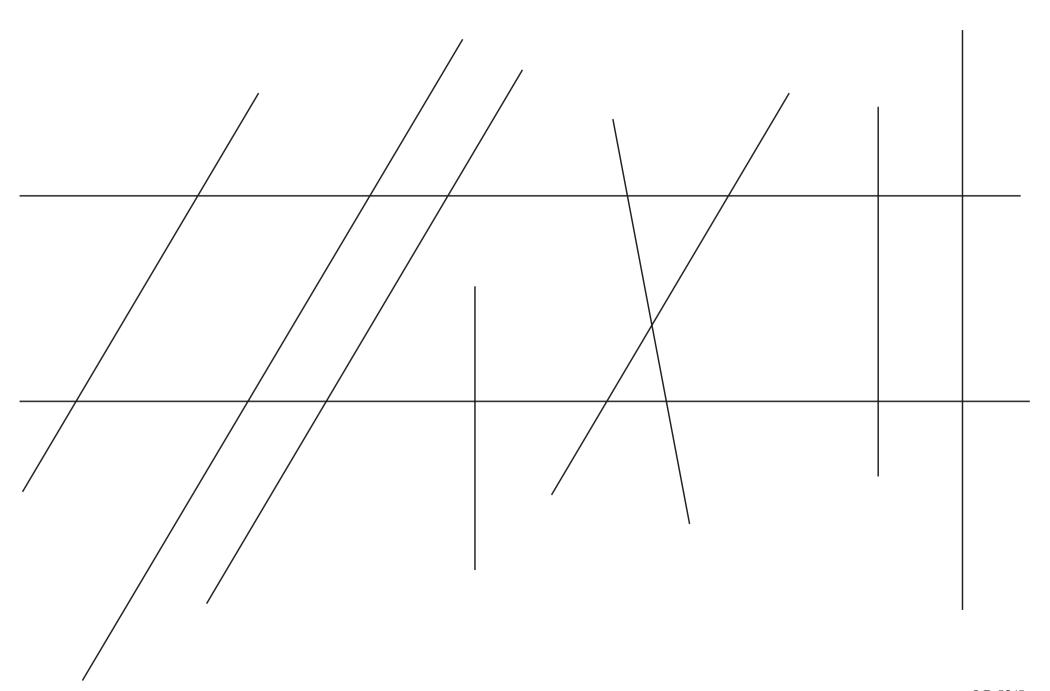


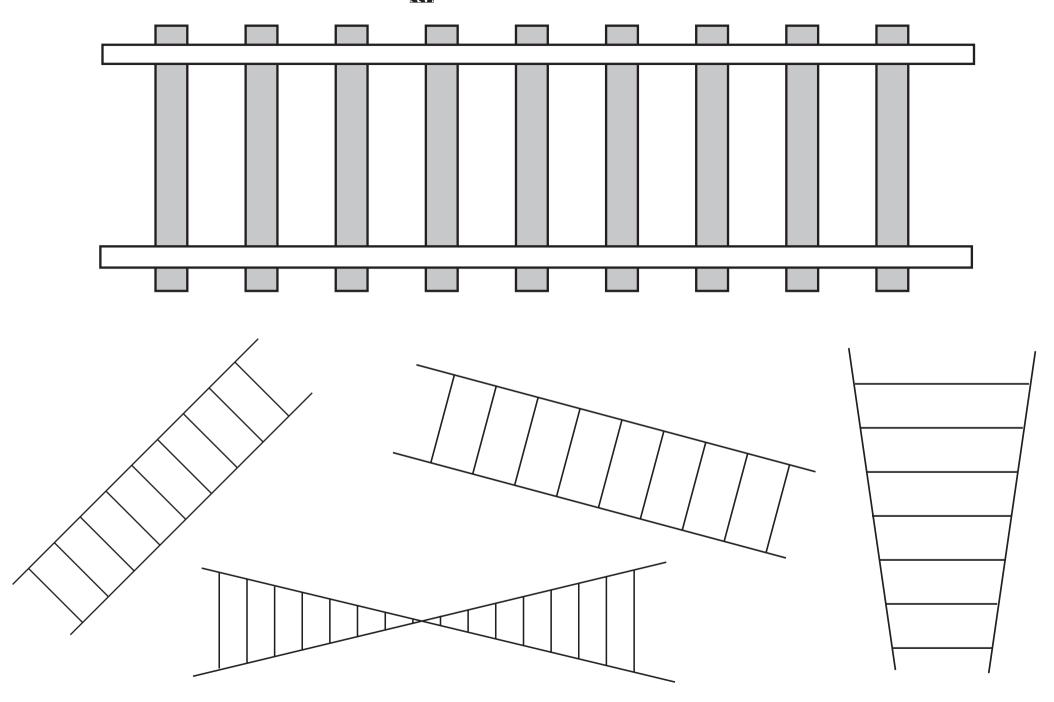
LP 52/1

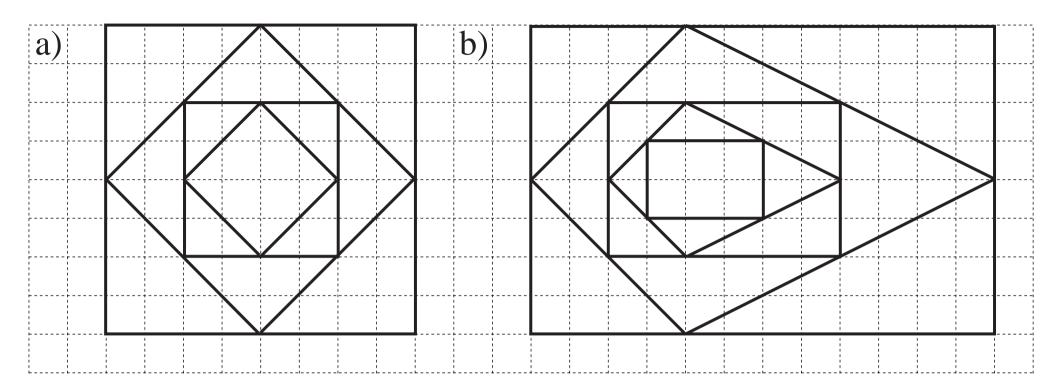




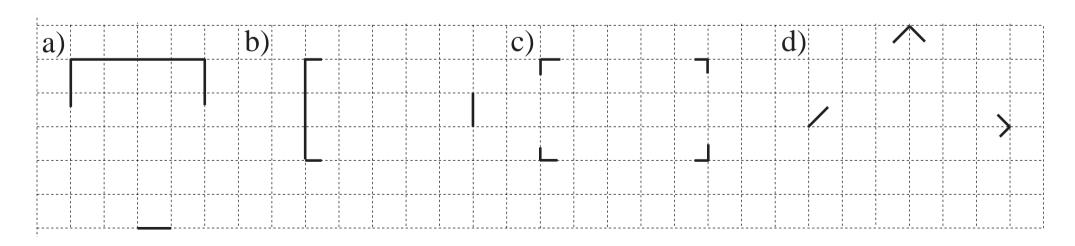








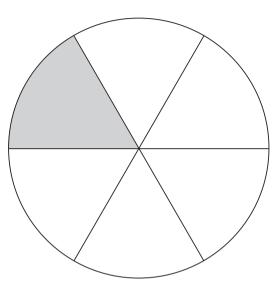
LP 52/9

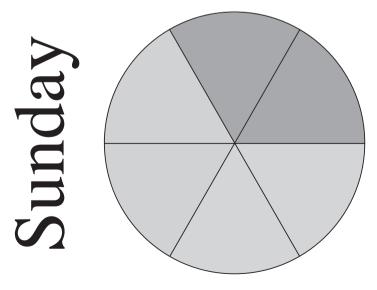


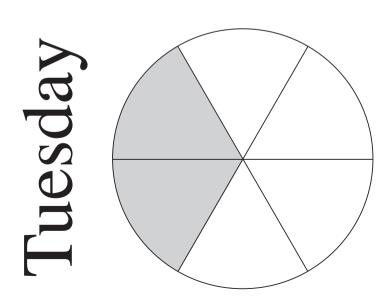


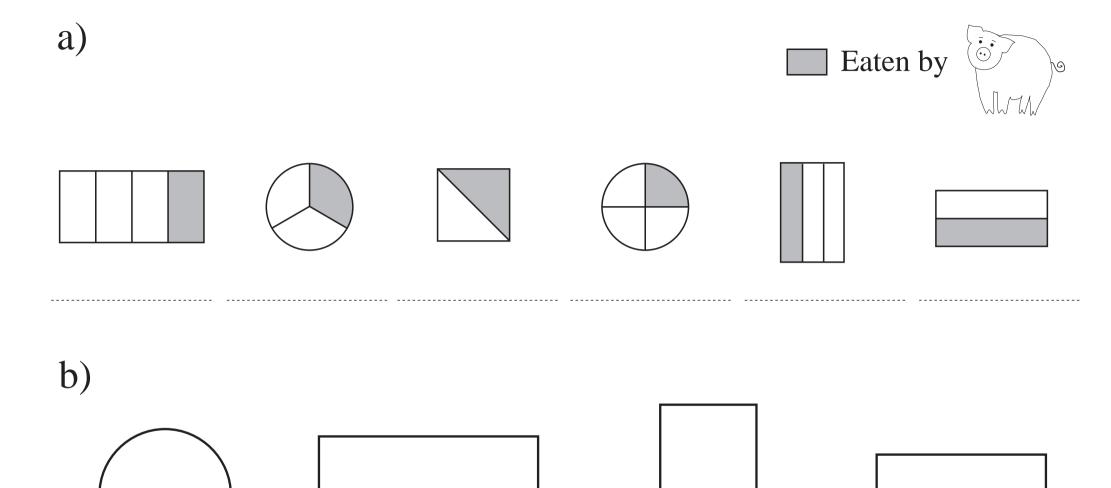
Monday









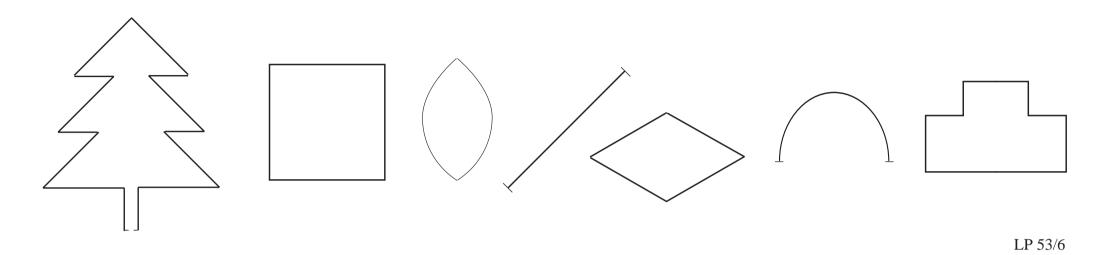


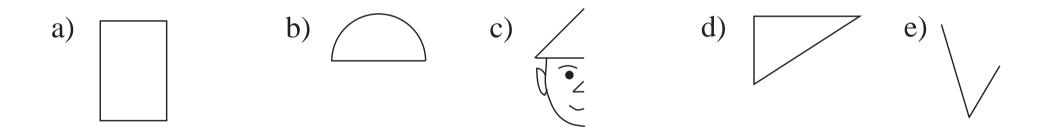
1 quarter

1 half

1 third

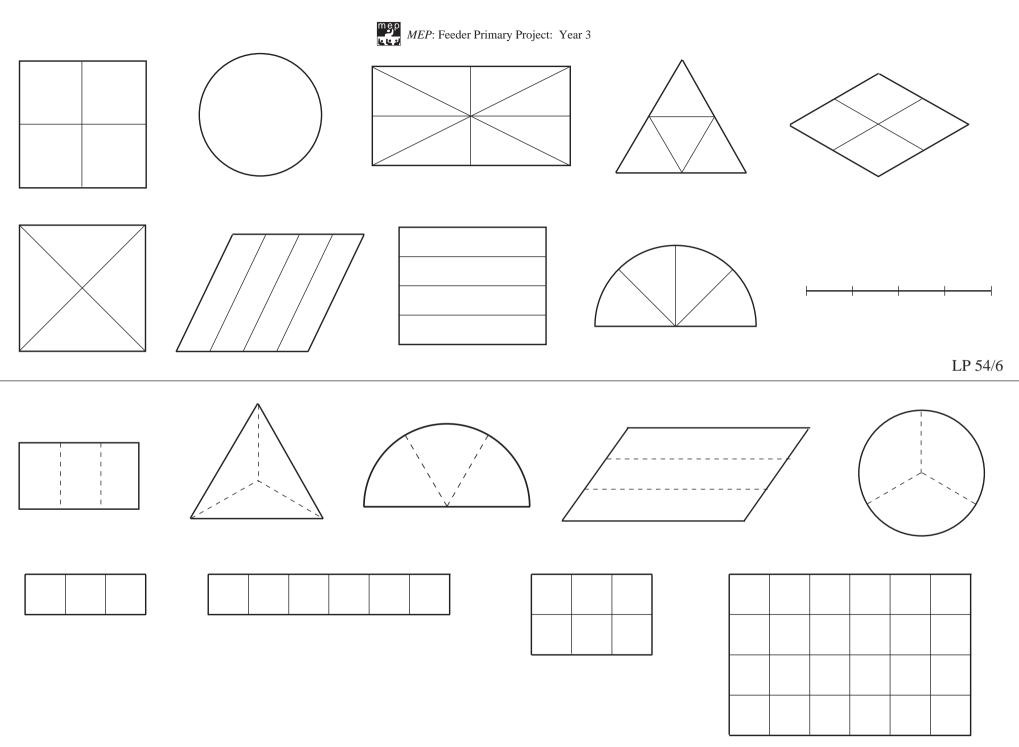
1 quarter



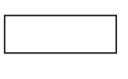


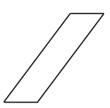
£20 £5 £5

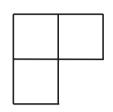
b)  $\boxed{£20}$   $\boxed{£20}$   $\boxed{£20}$   $\boxed{£50}$   $\boxed{£50}$   $\boxed{£1}$   $\boxed{£20}$   $\boxed{£2}$   $\boxed{£2}$   $\boxed{£2}$ 











**b**)







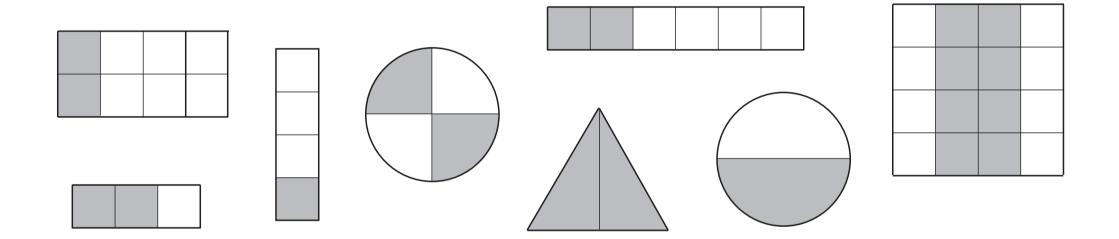




1 third

2 thirds

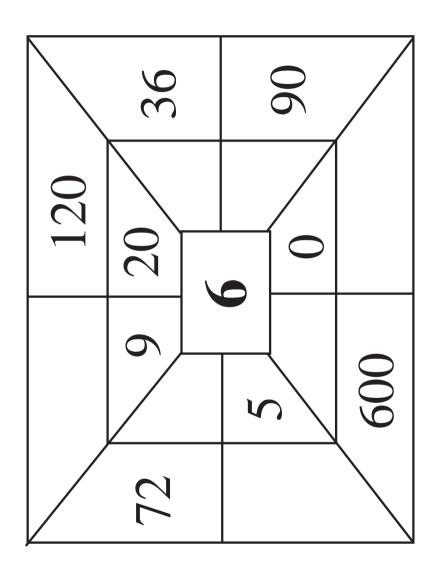
1 quarter

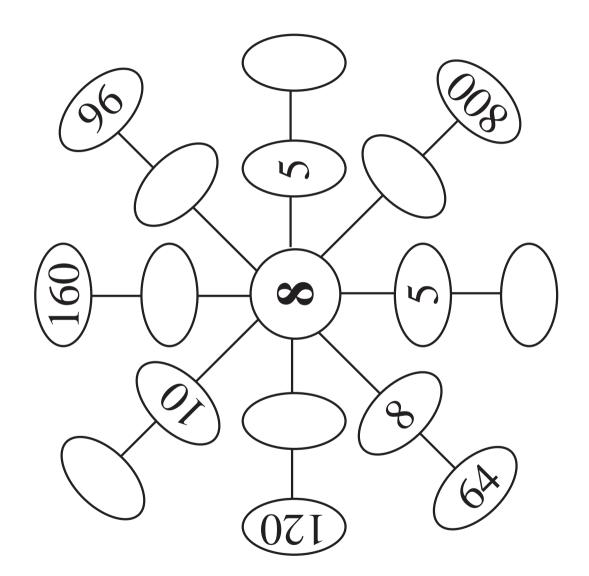


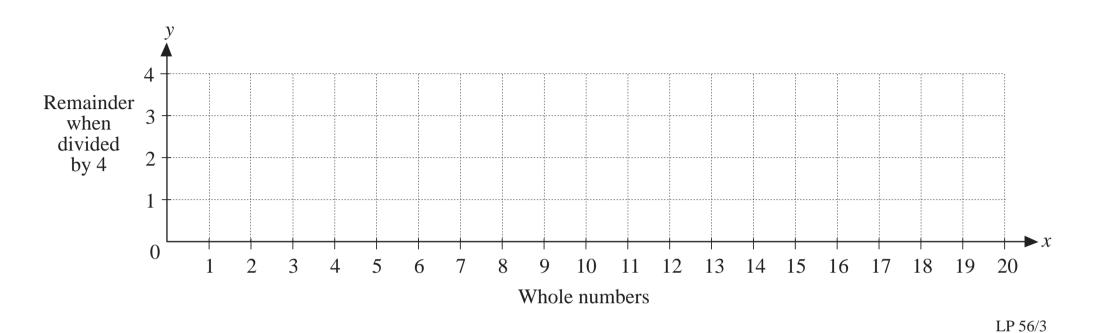
1 whole

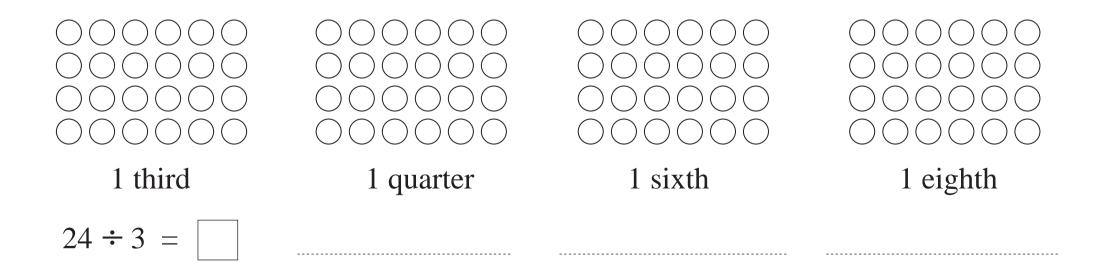
2 quarters

1 half

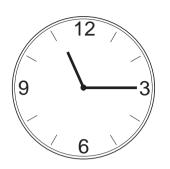


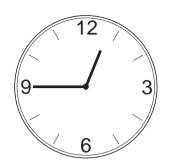


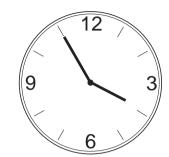












hours

hours

hours

hours

minutes

minutes

minutes

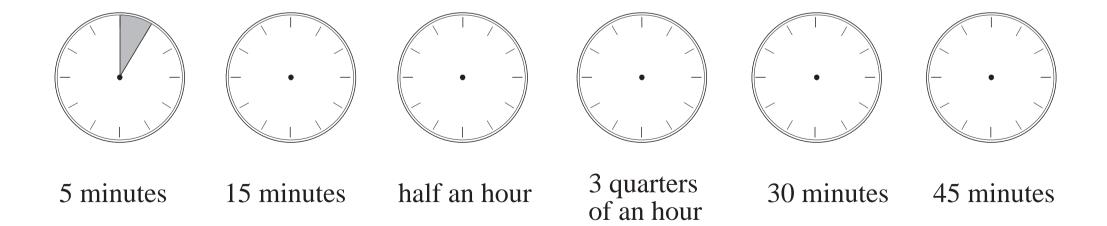
minutes

LP 56/8

a	106	132	200	113	158	121	185			
b	56	82	150					147	96	43

Minute hand points to:	12	1	2	3	4	5	6	7	8	9	10	11
Minutes shown												

b)



a) half an hour

35 minutes

b) 15 minutes

a quarter of an hour

c) 50 minutes

3 quarters of an hour

d) 1 hour

60 minutes

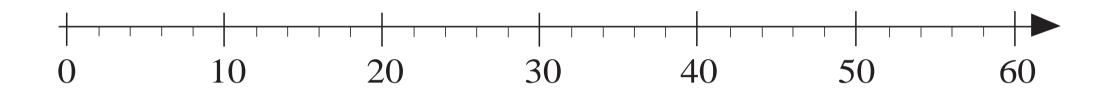
e) a quarter of an hour + 5 minutes

half an hour -5 min

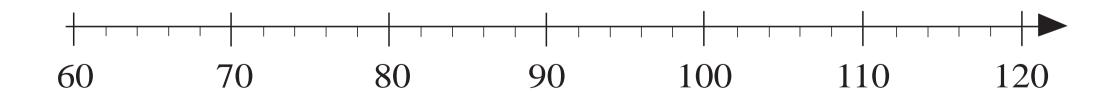
f) 20 minutes+ half an hour

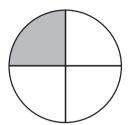


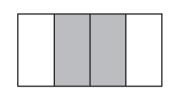
a quarter of an hour+ half an hour

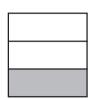


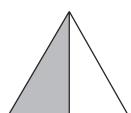
**b**)

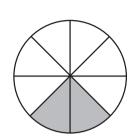


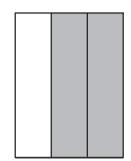




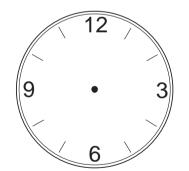




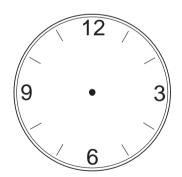




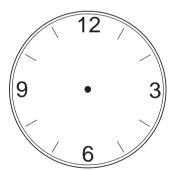
LP 57/4



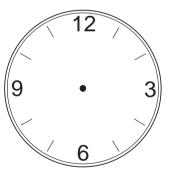
12 h 15 min



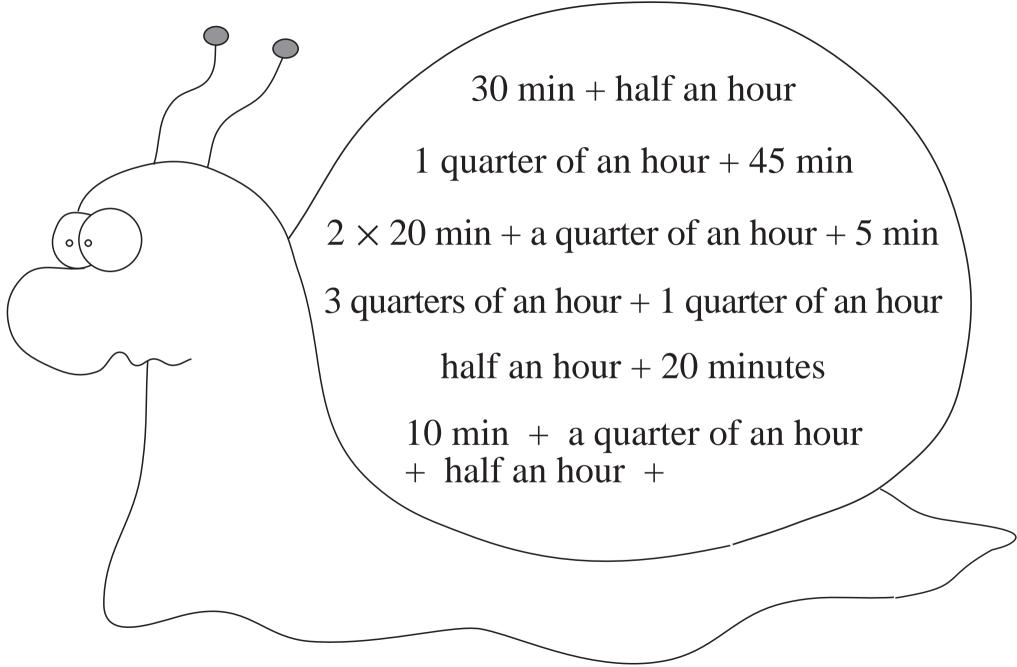
12 h 30 min

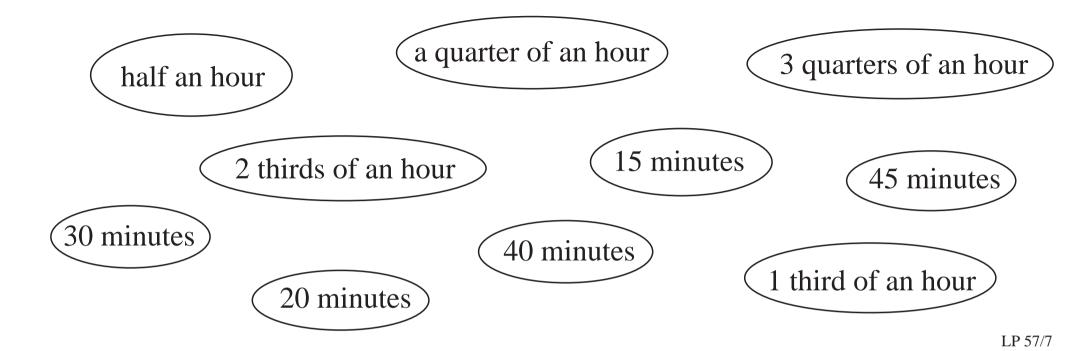


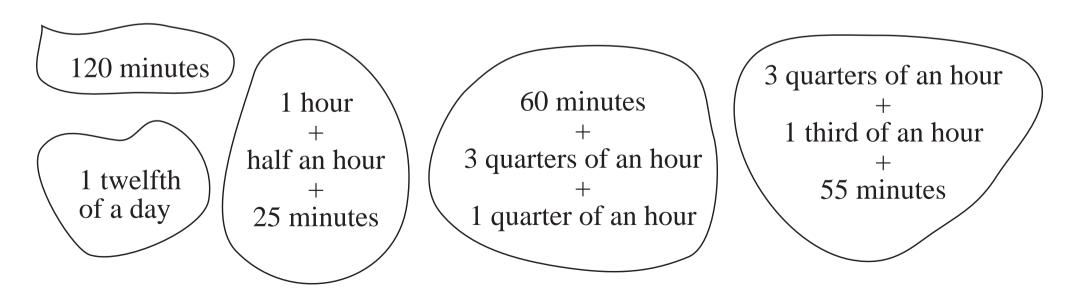
quarter of an hour

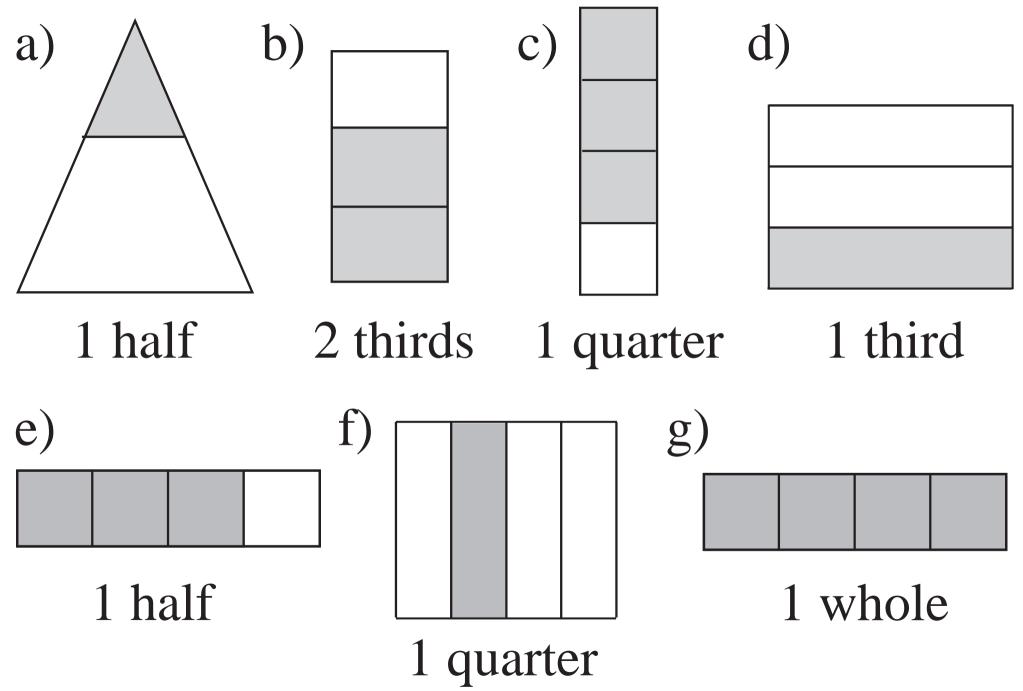


12 h 20 min





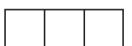


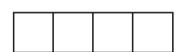




1 unit =

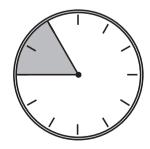


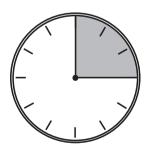


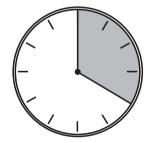


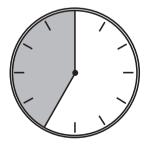
b)

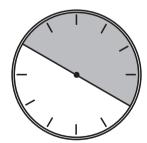






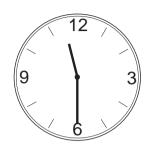


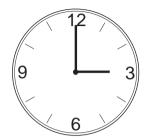




a) morning b) nearly mid-day c) afternoon d) evening d) night



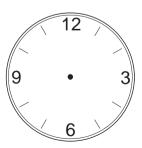


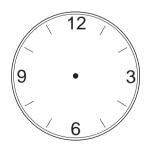


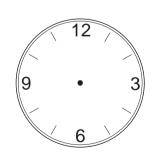




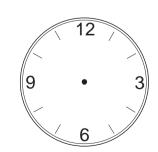
LP 58/6

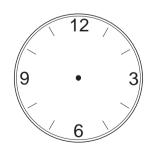






a) 4.00 am b) 8.30 pm c) 8.30 am d) 12.15 pm e) 0.15 am





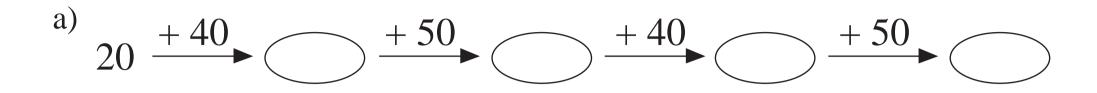
LP 58/7

a)

Days	1	2	1 quarter	3 quarters	1 third	2 thirds	1 eighth	1 half
Hours								

b)

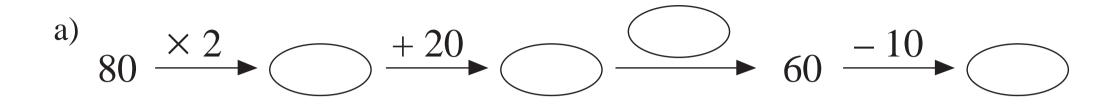
Hours	1	3	5	1 half	1 quarter	1 and a half	1 third	2 thirds	1 sixth	1 fifth
Minutes										



$$200 \xrightarrow{-70} \boxed{-30} \boxed{-30}$$

$$\begin{array}{c} \text{d)} \\ 170 \\ \hline \end{array} \longrightarrow 170 \\ \hline \end{array} \longrightarrow 128 \\ \hline \begin{array}{c} -50 \\ \hline \end{array} \longrightarrow \begin{array}{c} \\ \end{array} \longrightarrow \begin{array}{c} \\ \end{array}$$

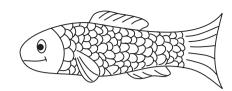
LP 59/1



c) 
$$80 \xrightarrow{-20}$$
  $180 \xrightarrow{\div 2}$   $190 \xrightarrow{\div 2}$ 

Departs from Station A at:	Arrives at Station B at:	Journe	ey time:
7:45	10:30	h	min
11:55	14:20	h	min
16:05	19:44	h	min
20:40	23:16	h	min
22:25	01:50	h	min





12 hours

half a day

30 hours

14 hours

2 quarters of a day

12 hours

4 hours

1 sixth of a day

4 hours

45 minutes

2 half hours

60 minutes

15 minutes

a quarter of an hour

20 minutes

40 minutes

2 thirds of an hour

45 minutes

2 hours

1 eighth of a day

3 hours

9 hours

2 sixths of a day

8 hours

18 minutes

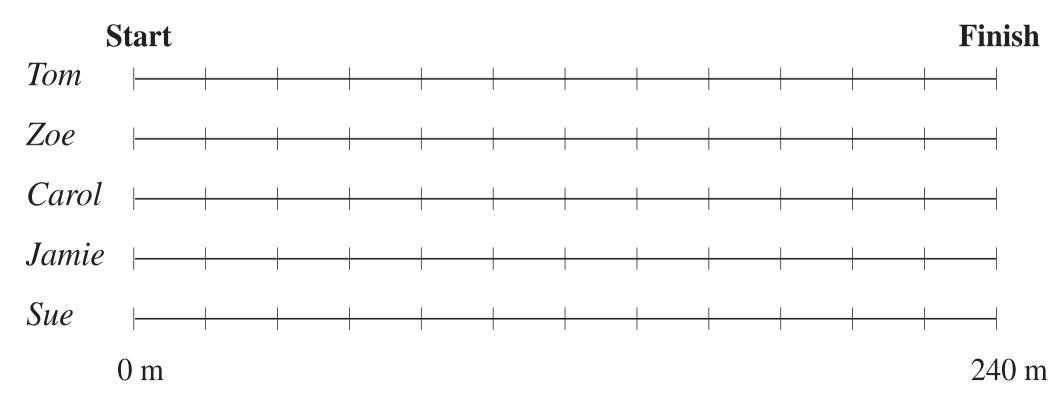
3 tenths of an hour

20 minutes

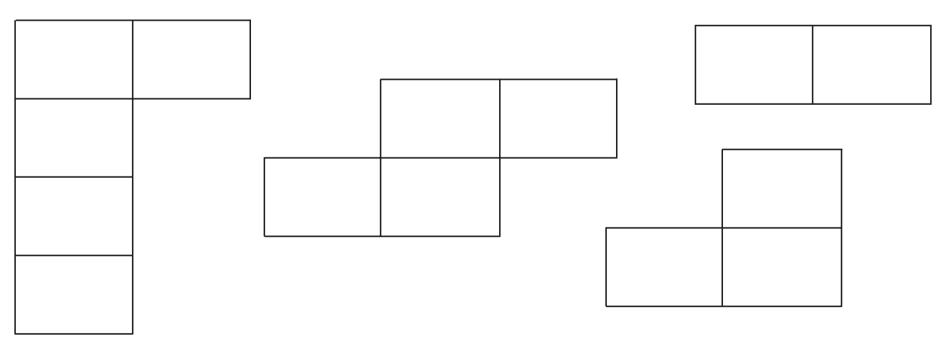
		 	 			 	 	 	 	$\rightarrow$ 1 unit
į	1	, ,			1	1	1	1	i	
1		1 1 1 1 1 1			1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	$\rightarrow$
1		 	 		 	 		 	 	$\rightarrow$
			1 1 1 1 1 1	1 1 1 1 1 1 1			1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	$\rightarrow$
		1 1 1 1 1 1 1	 		1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1		$\rightarrow$
1			 	1 1 1 1 1 1 1	1 1 1 1 1 1 1		 	1 1 1 1 1 1 1	1 1 1 1 1 1	$\rightarrow$
			 				 		 	$\rightarrow$
										$\rightarrow$
	 		1 1 1 1 1 1 1		 		1 1 1 1 1 1 1		 	$\rightarrow$

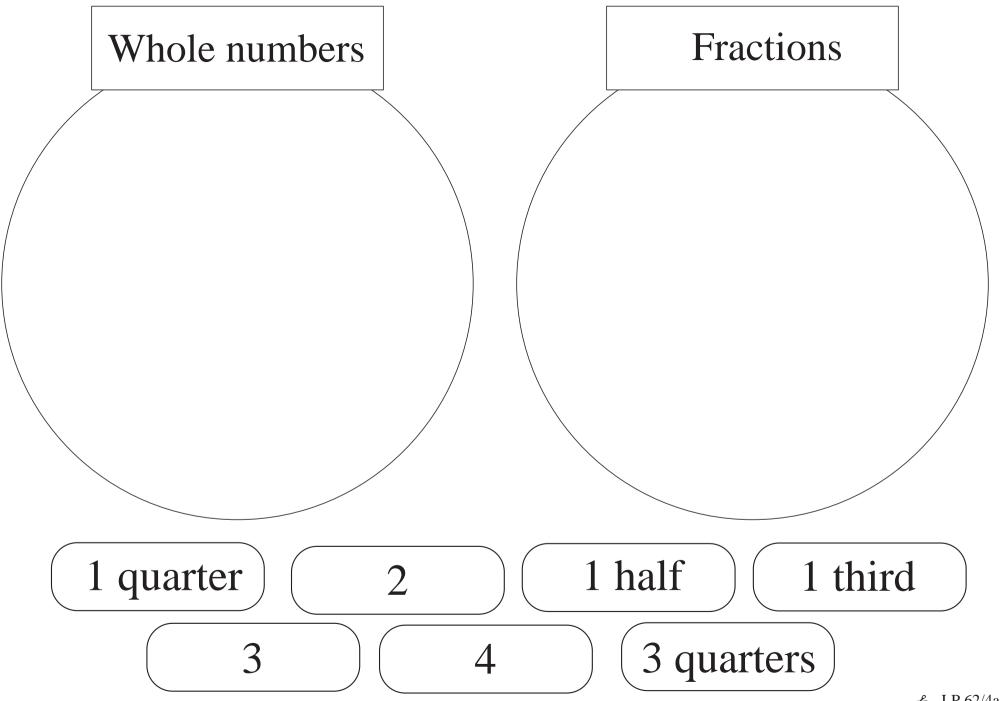
Part already dug	1 fifth				1 half	2 tenths		4 fifths
Part remaining		1 quarter	3 quarters	2 fifths			4 tenths	
Area remaining								

LP 61/6

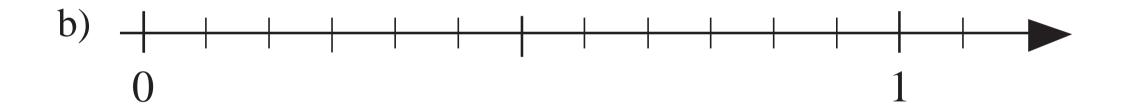


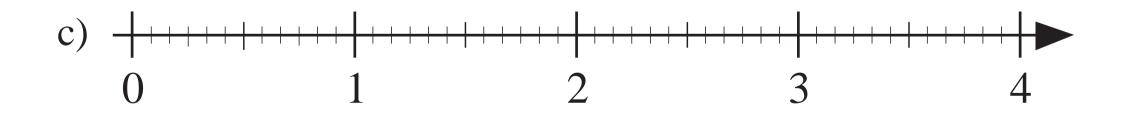
40	40	80	40	160	80	80	180
40	60	60	80	20	20	60	80
40	20	40	140	140	120	80	40
40	160	100	100	160	20	60	100











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		I -		





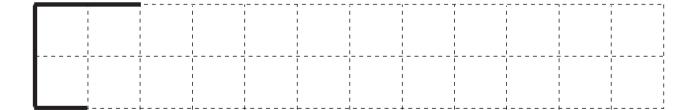
1 half  $\rightarrow$ 



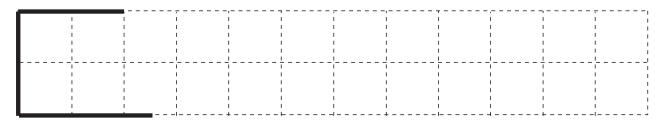
 $1 \text{ sixth } \rightarrow$ 

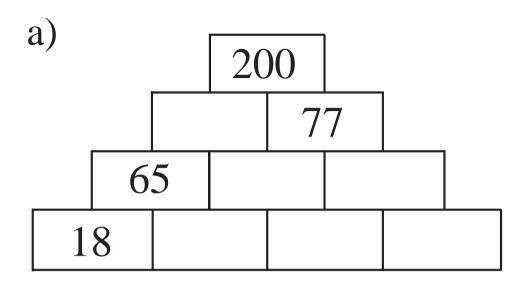


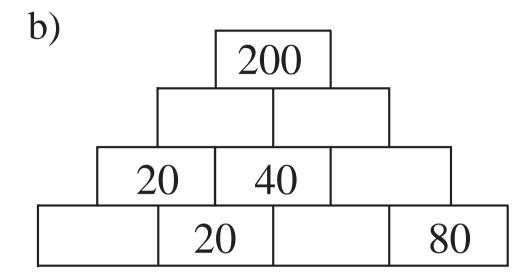
1 eighth  $\rightarrow$ 



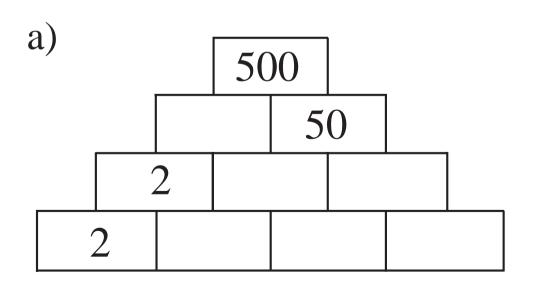
1 third  $\rightarrow$ 

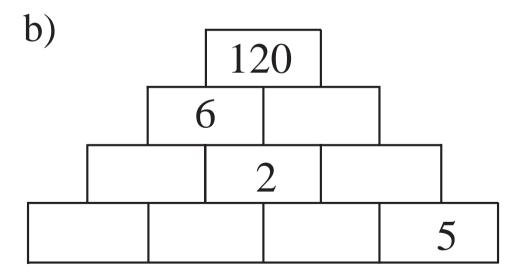


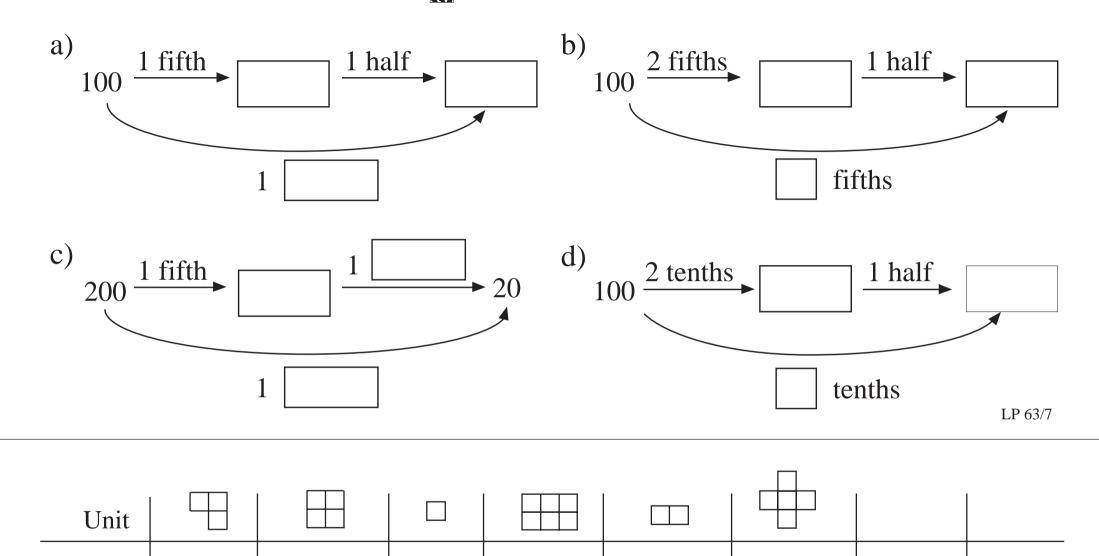




LP 63/4







1 third

5

1 fifth

4

Shape

Value of

shape

3 quarters

2 thirds

a) 
$$78 + 4 \times 8 =$$

$$79 + 4 \times 8 =$$

$$9 \times 3 + 78 =$$

$$79 + 3 \times 8 =$$

b) 
$$105 - 88 \div 4 =$$

$$110 - 88 \div 4 =$$

$$95 + 80 \div 4 =$$

$$95 + 160 \div 8 =$$

$$87 + 8 \times 4 =$$

$$8 \times 3 + 87 =$$

$$87 + 9 \times 4 =$$

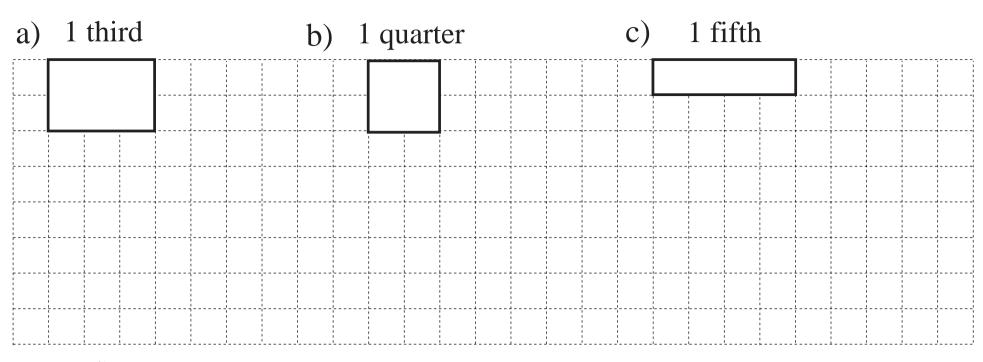
$$78 + 4 \times 4 =$$

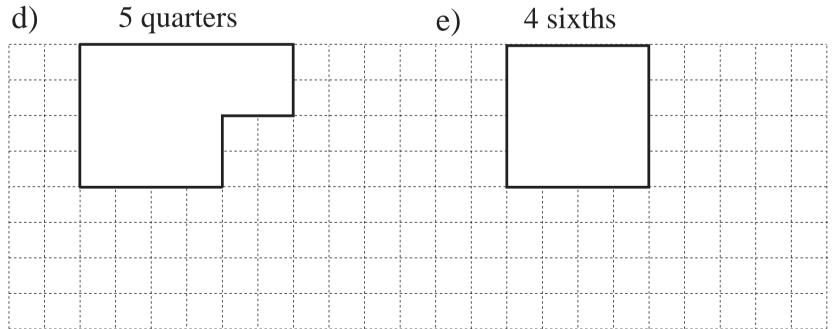
$$105 - 88 \div 8 =$$

$$110 - 88 \div 8 =$$

$$95 + 80 \div 8 =$$

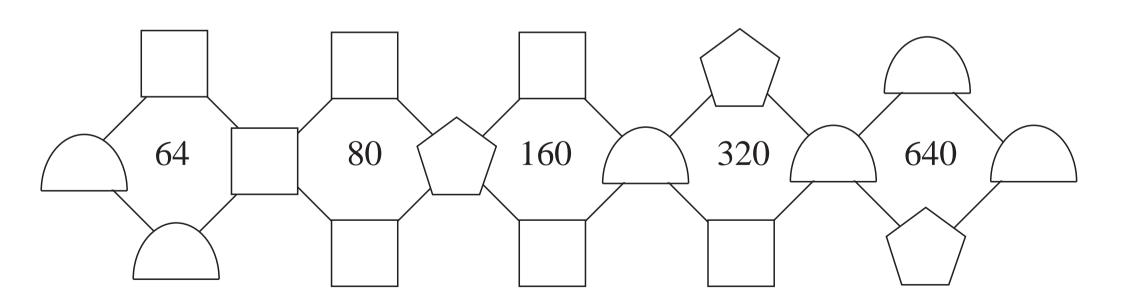
$$95 + 160 \div 4 =$$

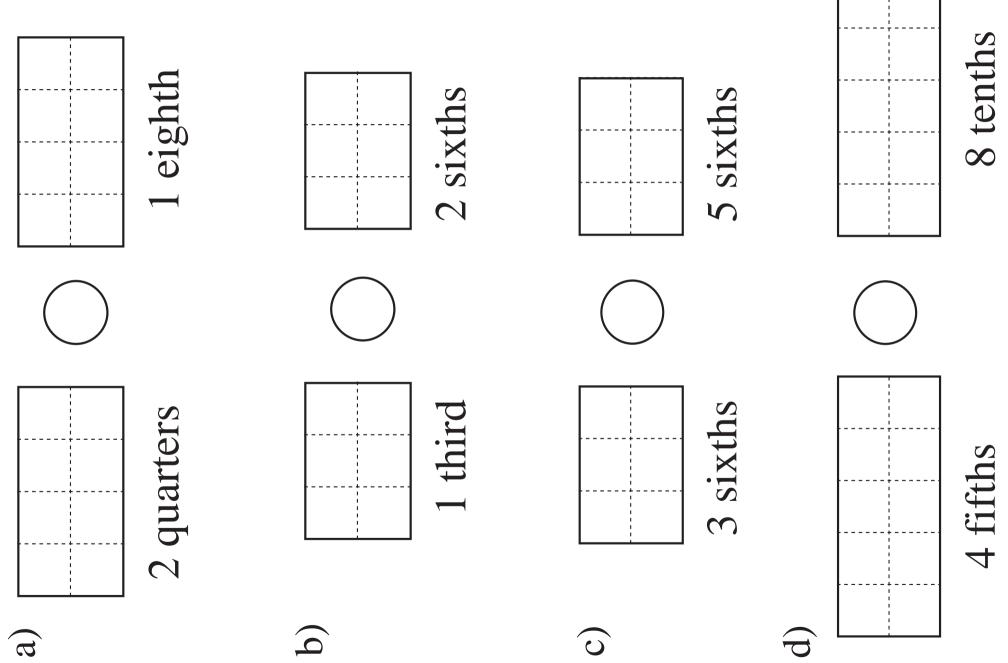




Saved	£10	£8	£2			£4.80	
Spent				25 p	30 p		
Had left							

LP 64/5

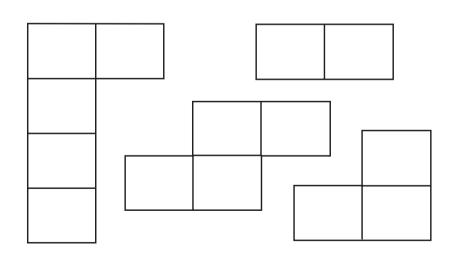


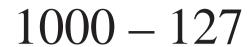


Unit				
Shape				
Value of shape	3			

LP 65/2

100	100	200	100	400	200	200	450
100	150	150	200	50	50	150	200
100	50	100	350	350	300	200	100
100	400	250	250	400	50	150	250



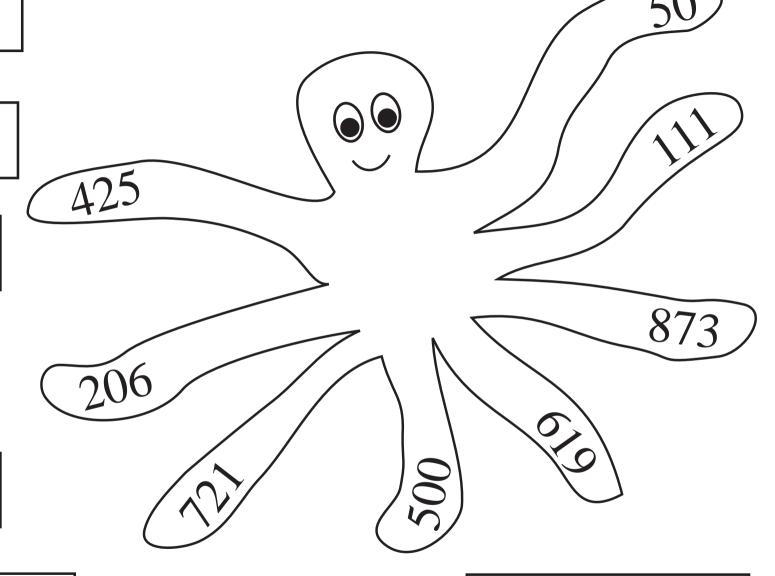


 $999 \div 9$ 

900 - 179

267 + 233

678 - 253

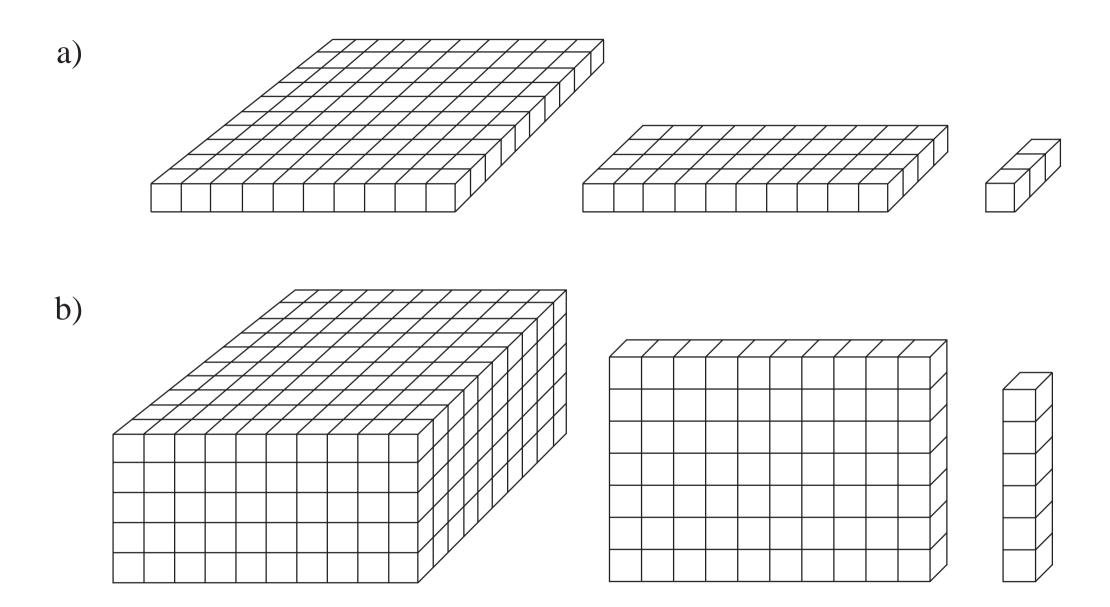


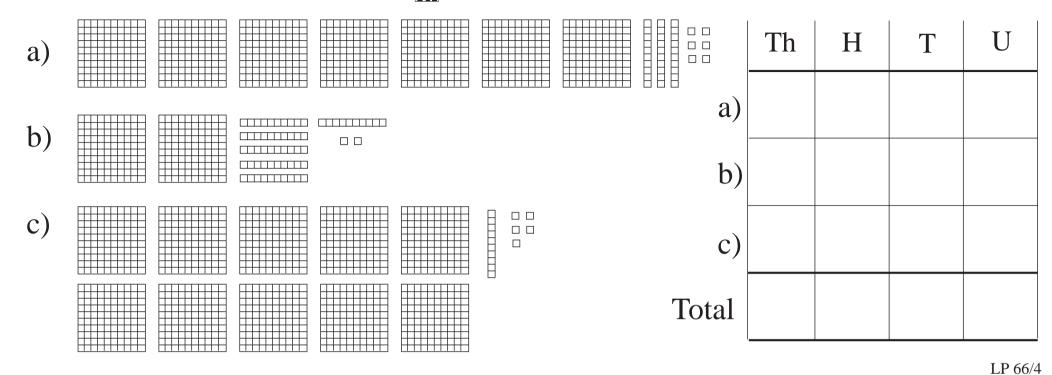
77 + 48 + 81

1 quarter of 200

 $700 - 9 \times 9$ 

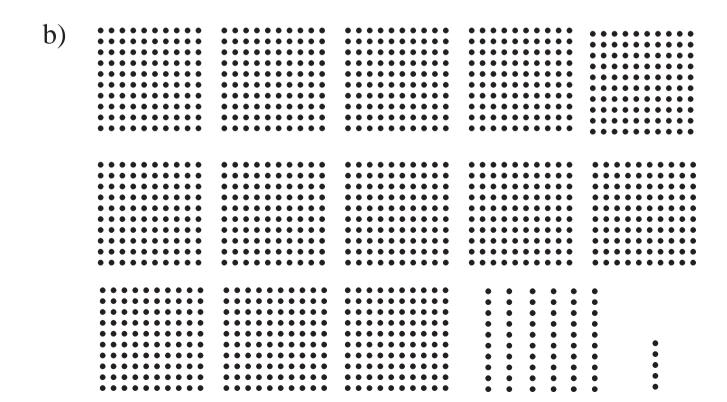
				1			ı		I	l
				] ]						

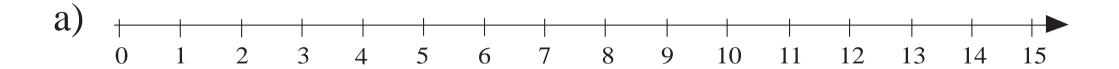


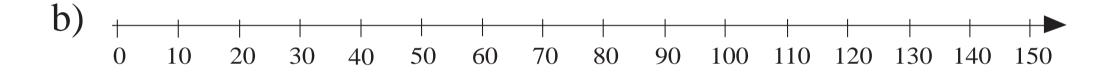


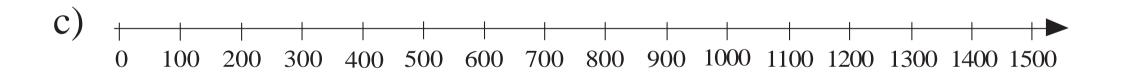
• • • • • • • • •	•••••	• • • • • • • • •	• • • • • • • •
•••••	•••••	•••••	•••••
• • • • • • • • •	•••••	• • • • • • • • •	•••••
••••••	• • • • • • • • •	• • • • • • • • •	•••••
•••••	•••••	• • • • • • • • •	••••••
• • • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • • •
• • • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • • • •
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• • • • • • • • •	• • • • • • • • •	• • • • • • • • •	
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			• • •
			• • •
			• • •
• • • • • • • • •			• • •

	Th	Н	T	U
a)				
b)				
Total				









one hundred and ninety three

193

1 hundred, 9 tens and 3 units

$$100 + 93$$

$$1 \times 100 + 9 \times 1 + 3 \times 10$$

$$100 + 30 + 9$$

LP 67/3



9 hundreds, 4 tens and 5 units

$$9 \times 100 + 4 \times 10 + 5 \times 1$$

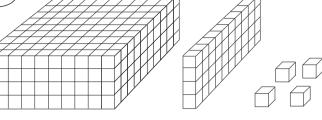
$$900 + 50 + 4$$

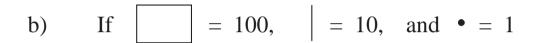
$$90 + 45$$

$$800 + 100 + 45$$



a)







i) •••

=

ii) \_\_\_\_\_ = \_\_\_\_

.....

iii)

=

iv)

=

• • • • • • • • • •

3 hundreds + 8 units

94

480

2 hundreds + 108 units

5 hundreds + 2 tens + 10 units

531

50 + 10 + 34

2 hundreds + 200 units + 8 tens

900 - 1

500 + 20 + 10

8 hundreds + 8 tens + 19 units

5 hundreds + 3 tens + 1 unit

A	1	2	3		5		7	8		10		12	13	14	15	16	17	18		20		22	23	24	26	
R	I	Ш		IV	V	VI			IX	X	ΧI				XV				XIX	XX	XXI					

LP 68/6

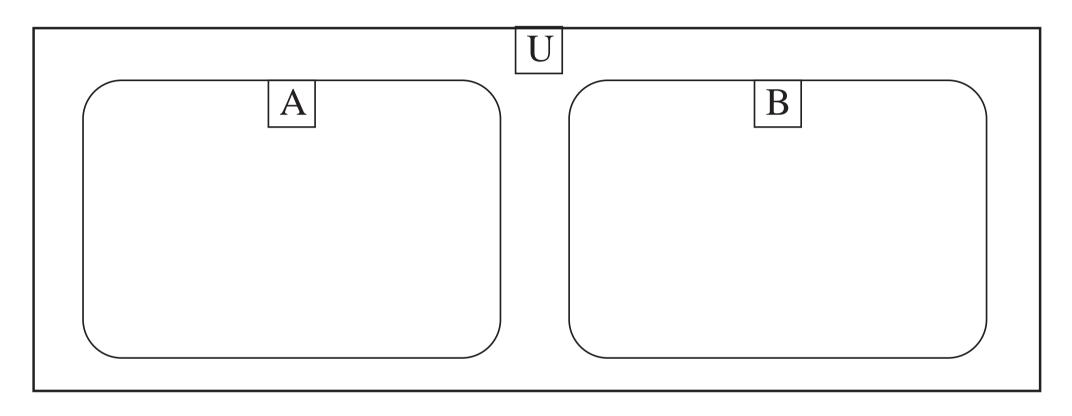
$$1 Th + 2 H + 9 T + 7 U$$

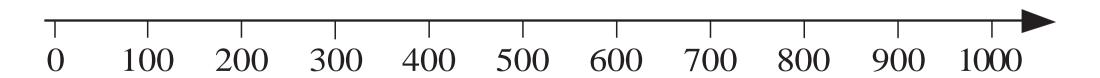
$$(1000 + 200 + 9)$$

(584)

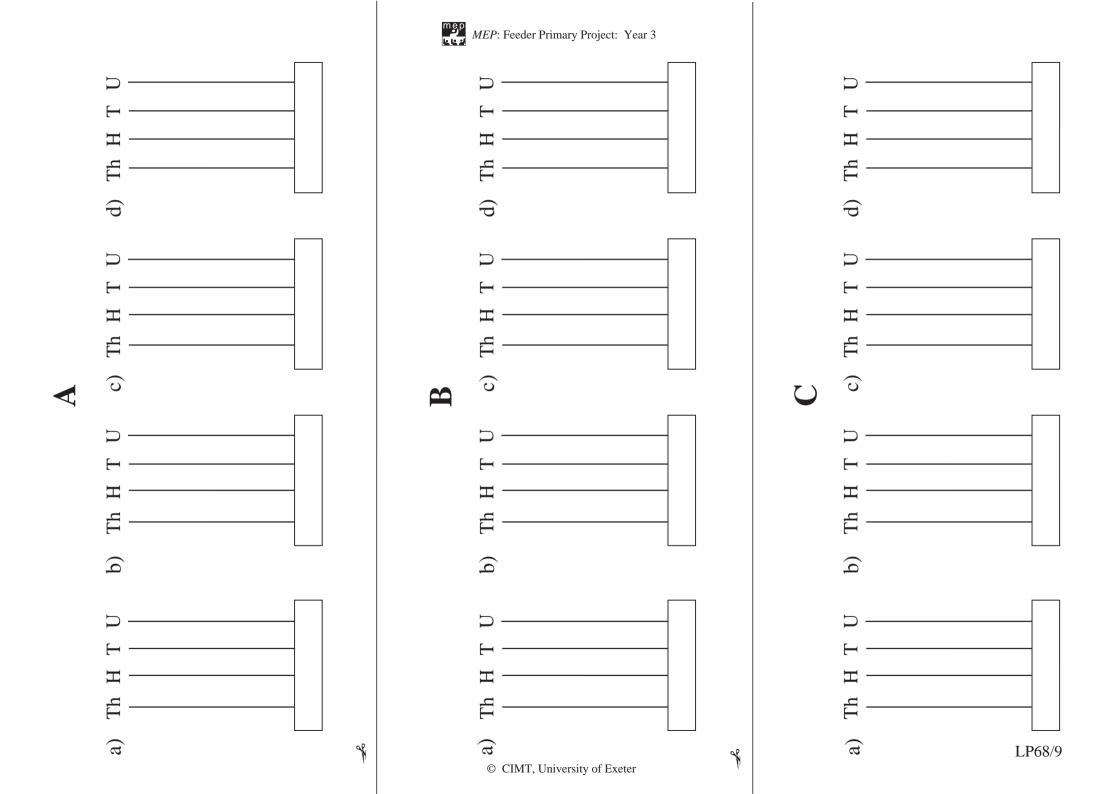
one thousand, two hundred and nine

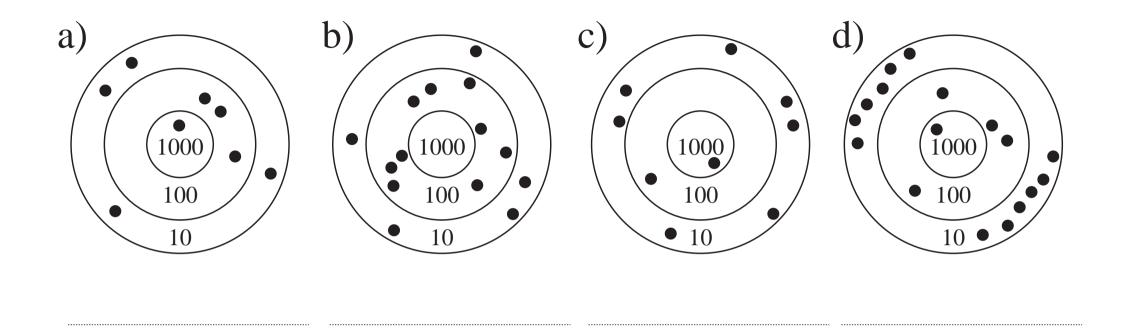
 $\mathbf{U} = \{488, 852, 597, 921, 940, 179, 600, 978, 341, 89, 1000\}$ 

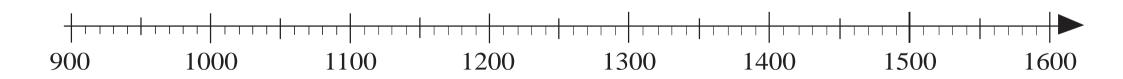




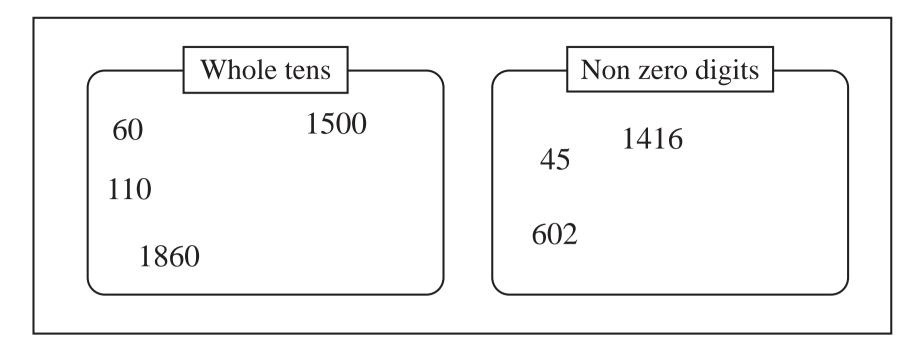
		Th	Н	T	U
568	$5 \times 100 + 6 \times 10 + 8 \times 1$				
173					
902					
430					
1245					
1050					



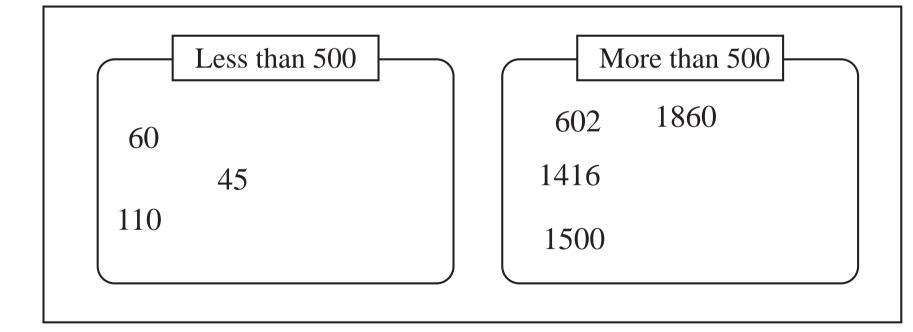


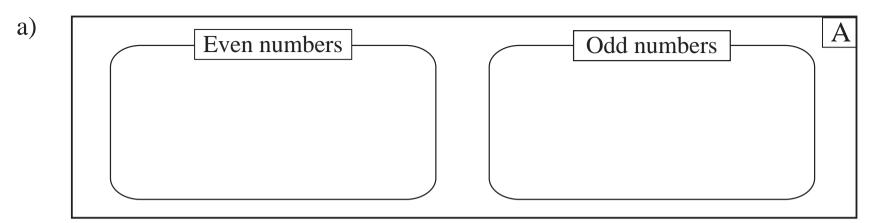


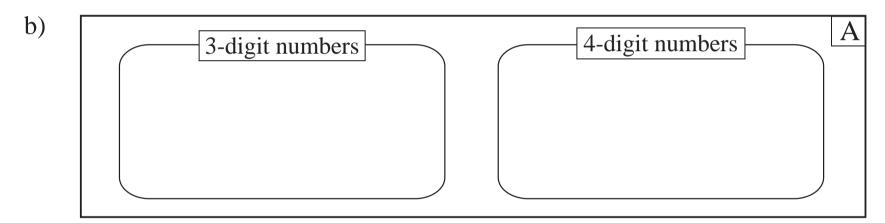


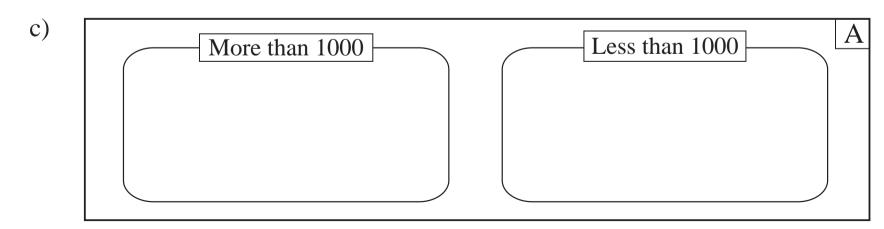


b)









a) 
$$1 \text{ Th} + 5 \text{ H} + 9 \text{ U} = \Box \Box \Box \Box \Box \Box \Box = 1 \text{ Th} + 5 \text{ T} + 9 \text{ U}$$

b) 
$$1 \text{ Th} + 4 \text{ H} + 6 \text{ T} = \Box \Box \Box \Box \Box \Box = 1 \text{ Th} + 6 \text{ T} + 4 \text{ U}$$

c) 
$$1 \text{ Th} + 7 \text{ H} + 5 \text{ U} = \Box \Box \Box \Box \Box \Box = 1 \text{ Th} + 7 \text{ H} + 2 \text{ T} + 5 \text{ U}$$

d) 
$$1 \text{ Th} + 6 \text{ H} + 42 \text{ U} = \Box \Box \Box \Box \Box \Box = 1 \text{ Th} + 64 \text{ T} + 2 \text{ U}$$

A

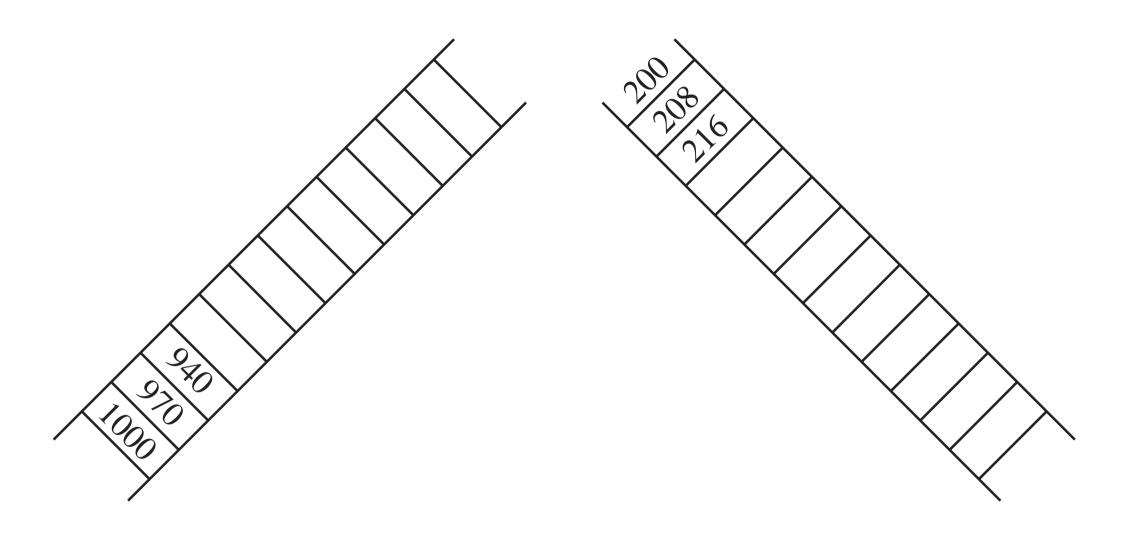
B

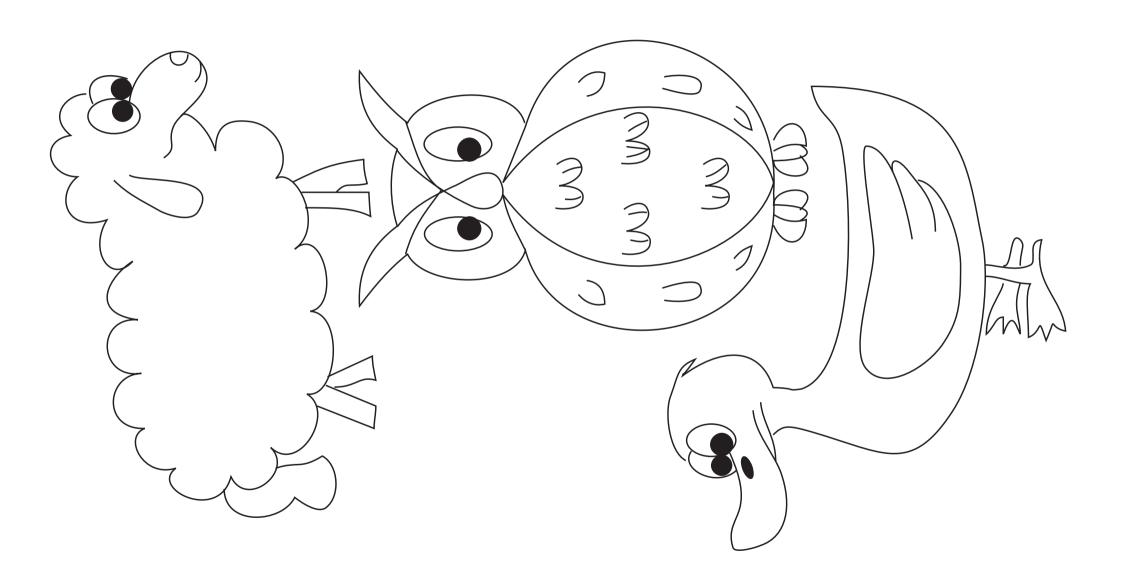
<b>A</b>
111
112
113
122
123
133
222
223
233
333

- i) **A** contains all 3-digit numbers with digits 1, 2 and 3.
- ii) **B** contains all 3-digit numbers with different digits from the set { 1, 2, 3, 4, 5 }

and the digits are increasing.

iii) None of the numbers in A have digits which are decreasing.

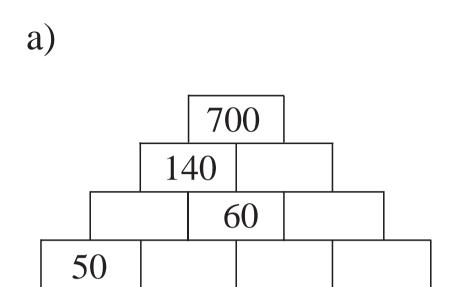


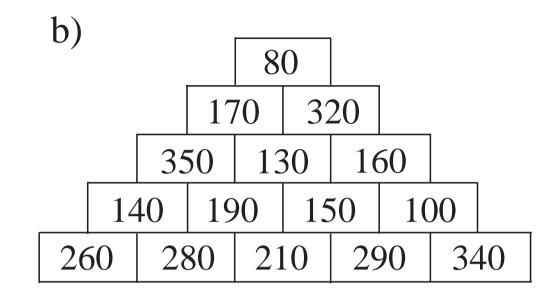


840 - 140	900 - 80	320 + 400
600 + 120	900 - 200	960 – 140
750 + 70	900 - 180	650 + 170
180 + 520	440 + 260	1000 - 280

→ LP 71/3b

$$800 \xrightarrow{-40} \boxed{a} \xrightarrow{-80} \boxed{b} \xrightarrow{+110} \boxed{c} \xrightarrow{-70} \boxed{d} \xrightarrow{+280} \boxed{e}$$

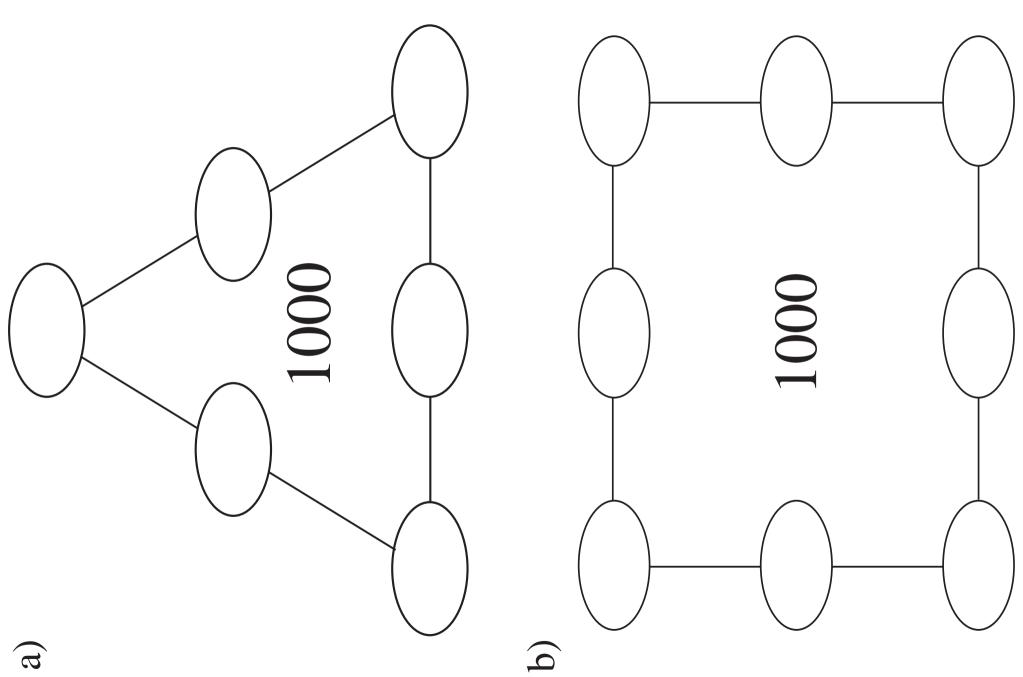


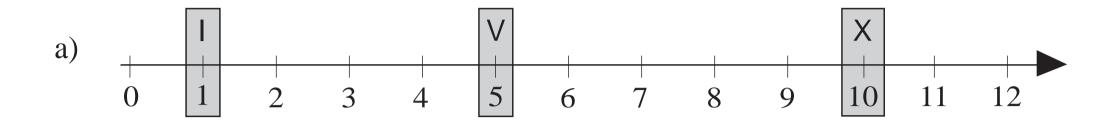


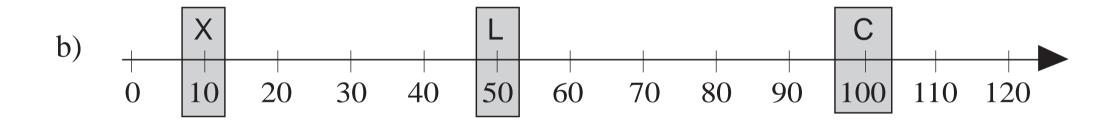
LP 72/2

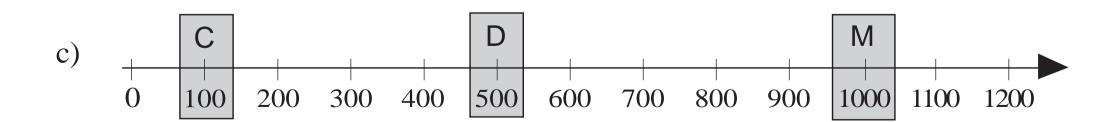
$\searrow$	340	120	160		380		90		170
<del>-</del> \$-	160	380		250		420		70	

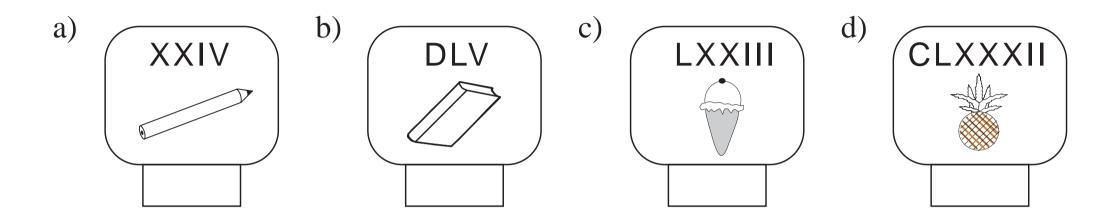
70	80	90	100	110	120
20	10	30	30	10	20
100	40	50	40	50	60
110	120	60	90	80	70

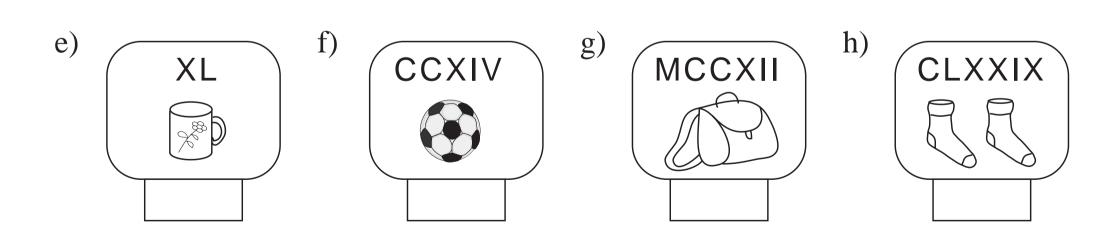


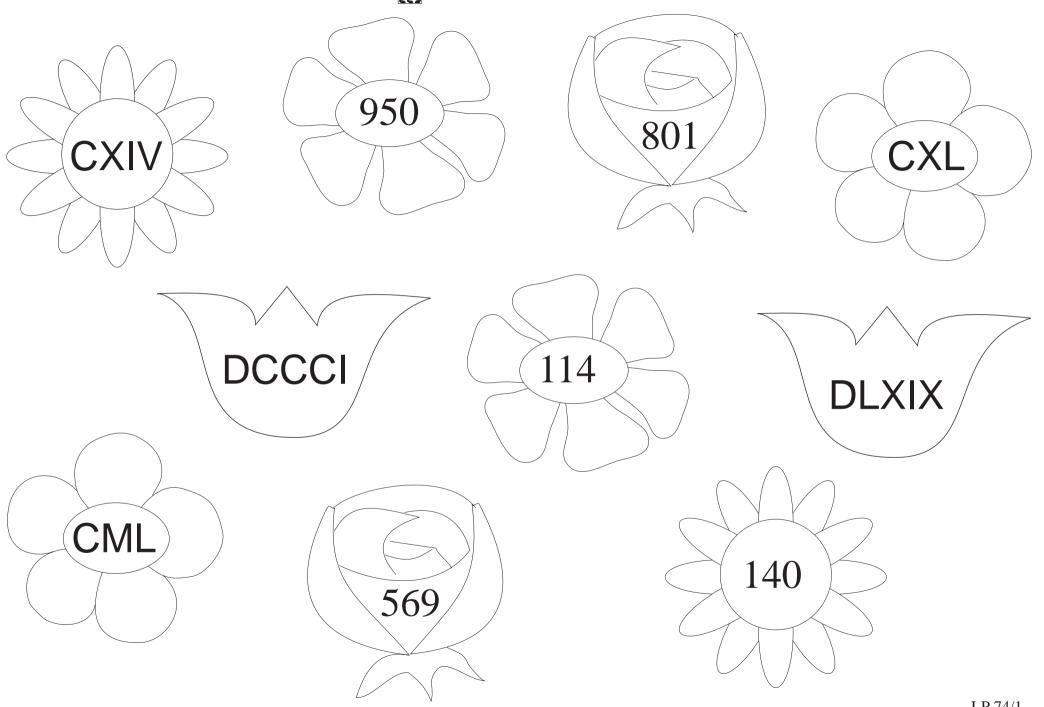


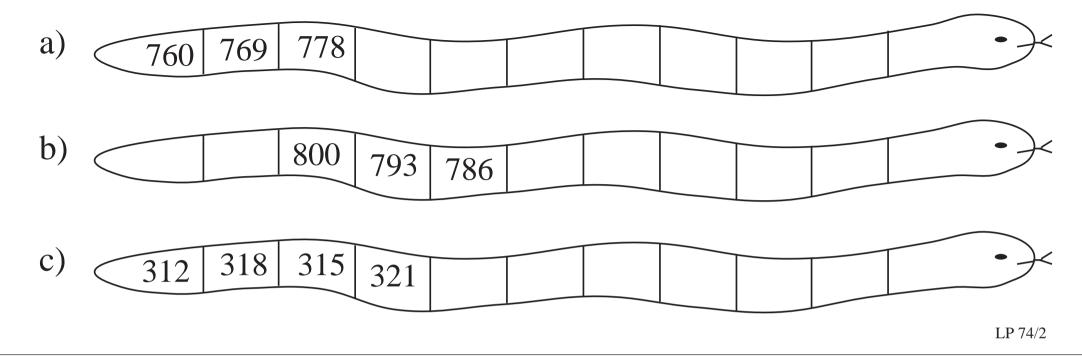


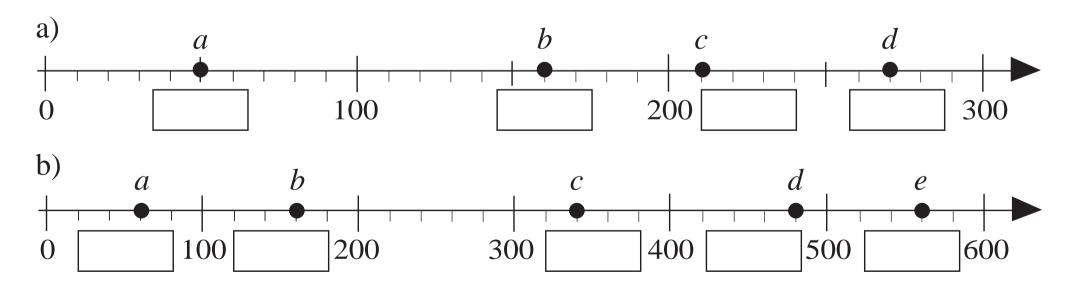


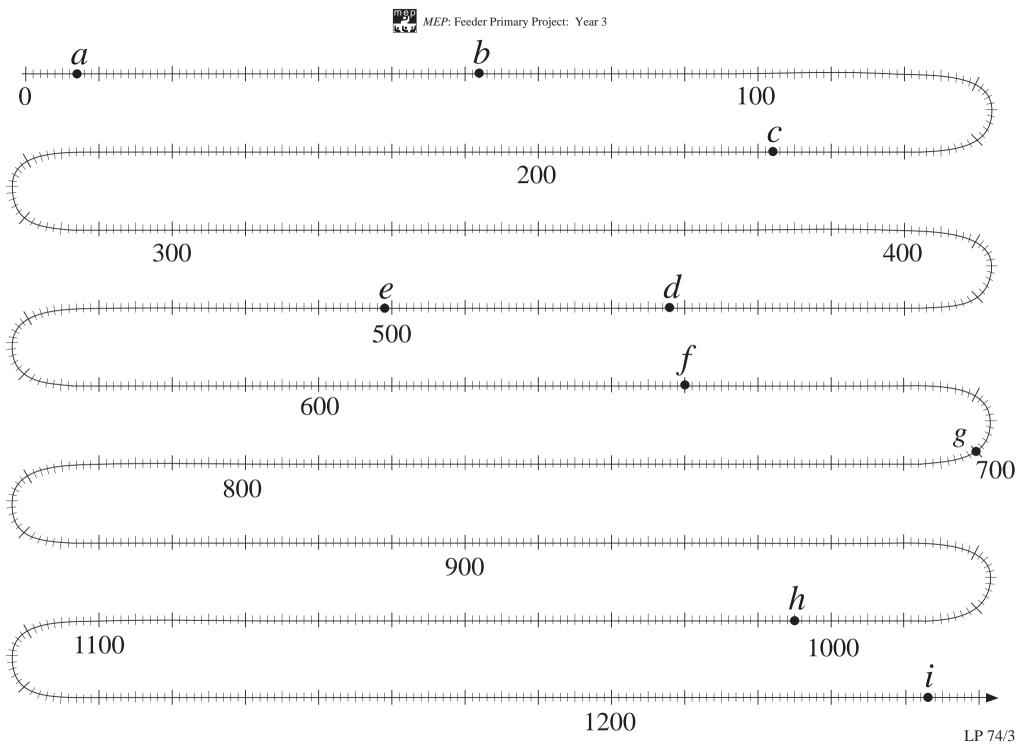




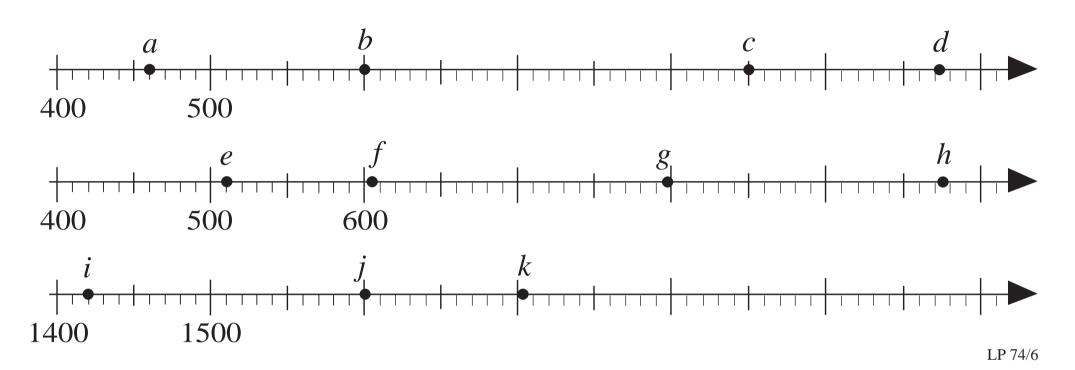


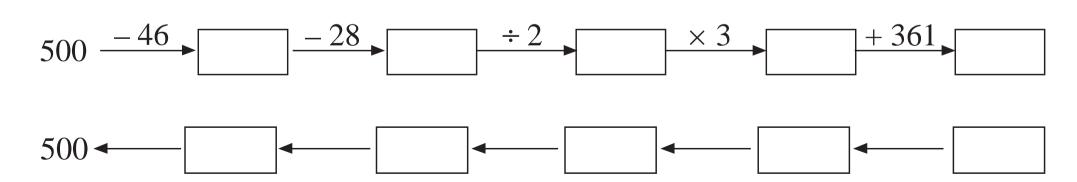






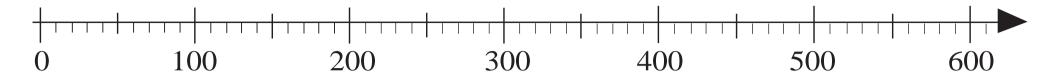
460, 510, 600, 605, 798, 850, 972, 975, 1420, 1600, 1703

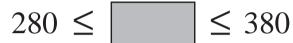




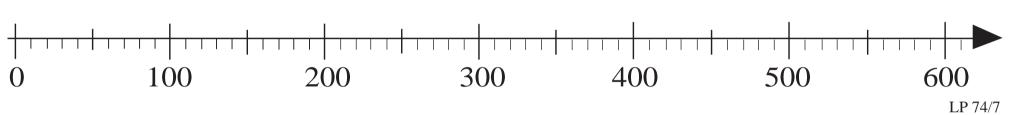




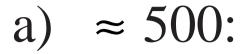


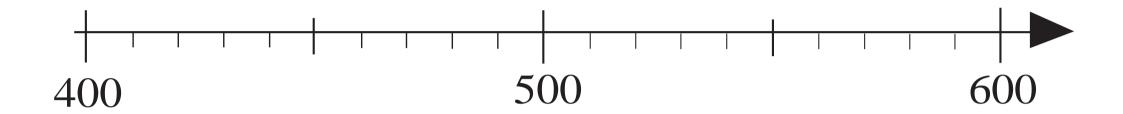




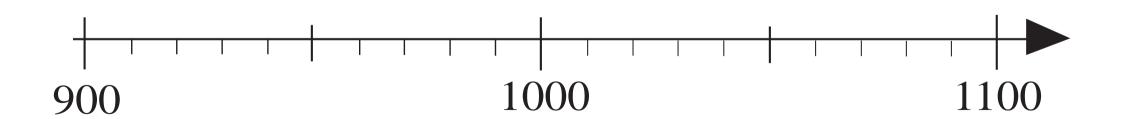


	475	625		217	37	475		111	456	
<del>-</del>	360		1002	555	926		382	765		
	835	960	1012			1000	500		850	





## b) $\approx 1000$ :



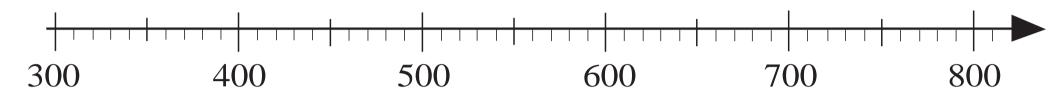


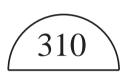
403



578

(20)





450





LP 77/1

a) 
$$a = 56$$

*b* 64

 $3 \mid c \mid 5$ 

 $3 \boxed{d} 3$ 

 $35\overline{e}$ 

36 f

b) 
$$\boxed{g}$$
 50

h 49

3 i 1

4 j 9

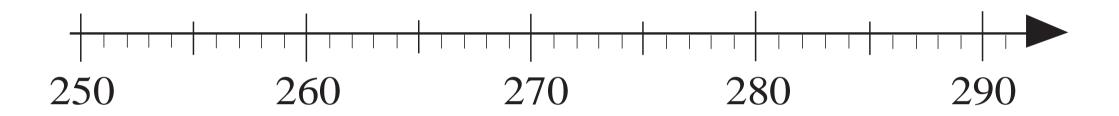
35 k

 $44 \boxed{l}$ 

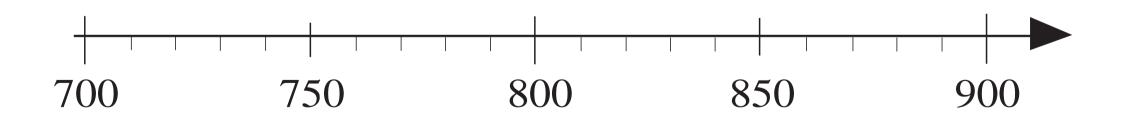
LP 77/7

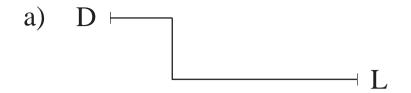
Number	Rounded to nearest 10	Rounded to nearest 100
349		
403		
481		
578		
610		
310		
450		
600		
742		

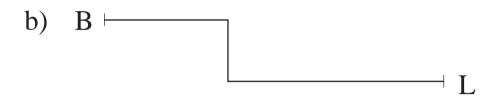
a)



b)







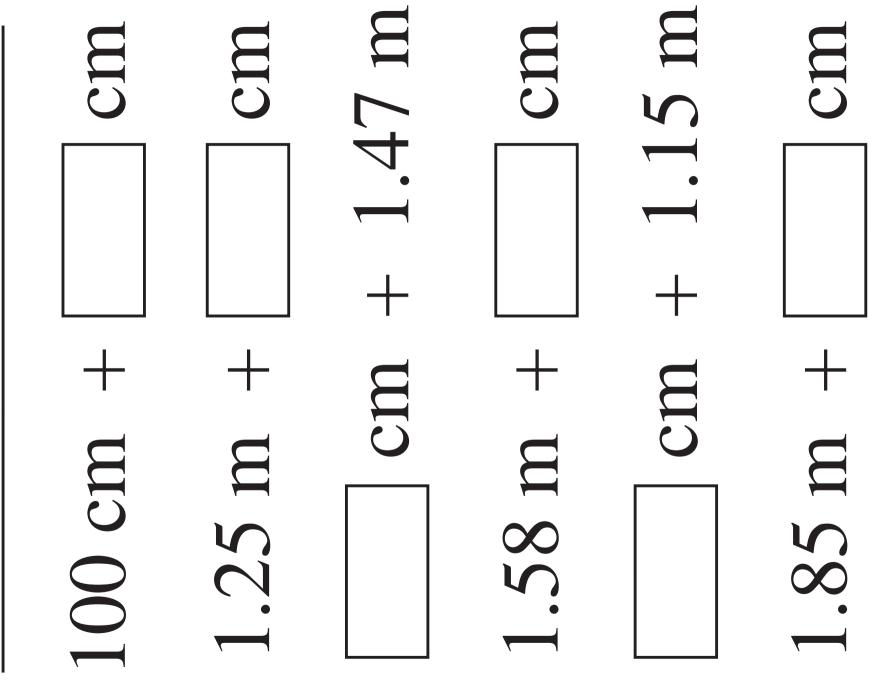
Estimate: cm	
Length: mm = cm	1
Length in real life: m	
Estimate: cm	
Length: mm = cm	1
Length in real life: m	
Estimate: cm	
Length: mm = cm	1
Length in real life: m	
Estimate: cm	

Length: mm = cm

Length in real life: m

H	T	U	t	h

## 2 m



3 m

(1.47 m)

100 cm

(1.25 m)

300 cm

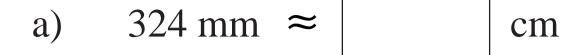
(135 mm)

147 cm

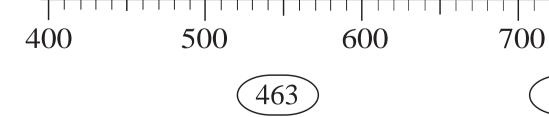
[13.5 cm]

1000 mm

(125 cm)



(406) (555) (769) (942)





800

900

1000

LP 80/1

Number	Rounded to nearest 10	Rounded to nearest 100
943		
304		
184		
765		
125		
550		
247		
805		