Maha Bodhi School
2022 Semestral Assessment 1
Primary 4
Mathematics
Booklet A

Name : _____ ( )

Class : Primary 4 _____

Date : 10 May 2022

Total Duration for Booklets A and B: 1 h 45 min

INSTRUCTIONS TO CANDIDATES:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 8 printed pages.

Section A (40 marks)

Questions 1 to 20 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

---

1. What is the value of the digit 4 in 24 780?

(1) 40
(2) 400
(3) 4000
(4) 40 000

2. In which of the following are the numbers arranged from the greatest to the smallest?

	Greatest			Smallest
(1)	4780	, 4078	,	4708
(2)	4780	, 4708	,	4078
(3)	4078	, 4780	,	4708
(4)	4078	, 4708	,	4780

3. Round 74 454 to the nearest hundred.

(1) 74 000
(2) 74 400
(3) 74 450
(4) 74 500

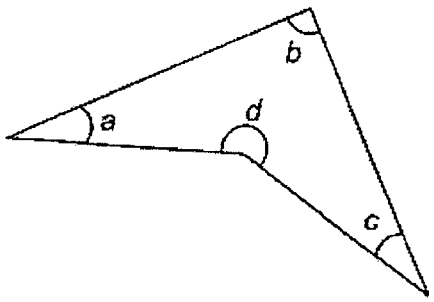
4. How many sevenths are there in $4\frac{5}{7}$?

(1) 5
(2) 7
(3) 33
(4) 63

5. Which one of the following is an equivalent fraction of $\frac{4}{9}$?

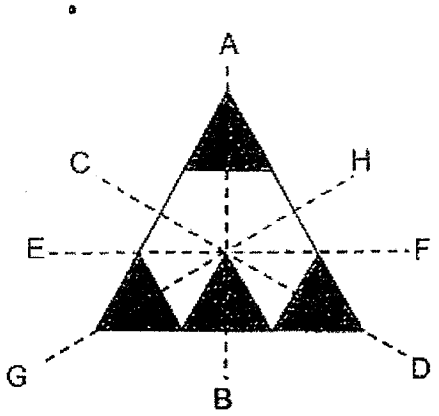
(1) $\frac{13}{36}$
(2) $\frac{13}{45}$
(3) $\frac{16}{81}$
(4) $\frac{36}{81}$

6. In the figure below, which angle is greater than a right angle?



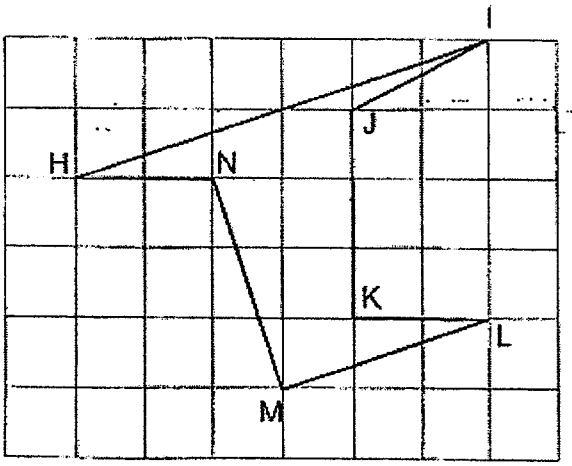
(1) $\angle a$
(2) $\angle b$
(3) $\angle c$
(4) $\angle d$

7. Which one of the following lines is the line of symmetry for the figure shown below?



(1) AB
(2) CD
(3) EF
(4) GH

8. Study the figure shown below.
Identify the line that is parallel to line LM.



(1) HI
(2) JI
(3) MN
(4) JK

9. Which of the following is a factor of 24 and a multiple of 4?

(1) 6
(2) 2
(3) 12
(4) 96

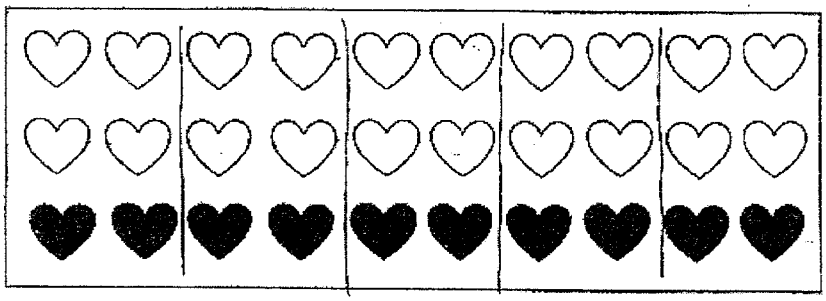
10. Find the sum of the common factors of 28 and 56.

(1) 14
(2) 28
(3) 55
(4) 56

11. Janet wanted to pack 611 cupcakes into boxes.
Each box can hold at most 8 cupcakes.
What is the least number of boxes she will need to pack all the cupcakes?

(1) 75
(2) 76
(3) 77
(4) 79

12. How many **more** hearts must be shaded so that $\frac{3}{5}$ of the set is shaded?



(1) 8

(2) 10

(3) 12

(4) 18

13. Ali is facing the north-west direction.

Which one of the following turns will result in him facing south?

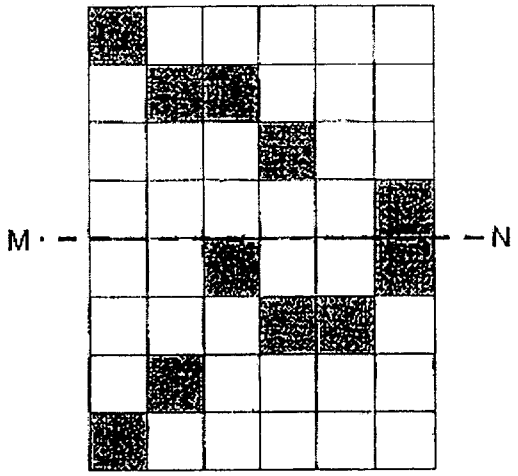
(1) 45° clockwise

(2) 45° anti-clockwise

(3) 135° clockwise

(4) 135° anti-clockwise

14. Mandy wants to shade more squares to form a symmetric figure with line MN as the line of symmetry. What is the least number of squares she needs to shade?



(1) 1
(2) 2
(3) 3
(4) 4

15. The table below shows the ingredients needed to make 2 pots of vegetable soup.

Ingredients	Mass
Cabbage	2320 g
Carrots	1260 g
Corn	970 g

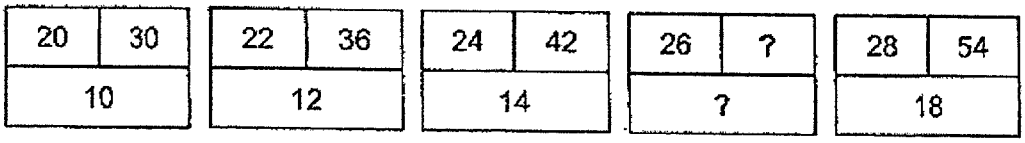
Mrs Smith wanted to make 8 pots of vegetable soup to sell at her shop. How much corn would she need to make 8 pots of vegetable soup?

(1) 3880 g
(2) 5040 g
(3) 7760 g
(4) 9280 g

16. Dan had $20. He bought a book for $17.80 and the cashier gave him the change in twenty-cent coins. How many twenty-cent coins did Dan receive?

(1) 11
(2) 12
(3) 22
(4) 32

17. Study the number pattern below.
What is the sum of the two missing numbers?



(1) 16
(2) 42
(3) 58
(4) 64

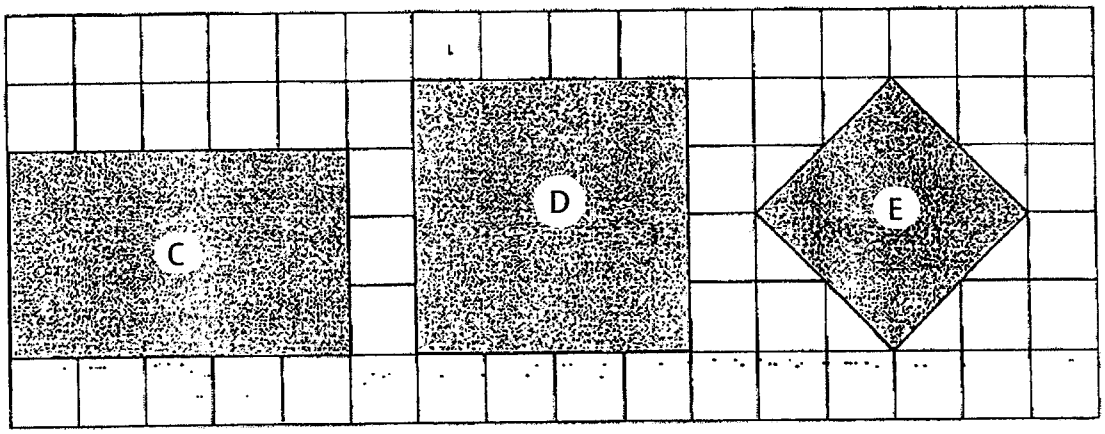
18. Rony is 8 years old and his sister is 21 years old now.
In how many years' time will his sister be twice as old as him?

(1) 13
(2) 29
(3) 3
(4) 5

19. In the library, $\frac{1}{6}$ of the children borrowed English books. $\frac{1}{3}$ of the children borrowed Chinese books. The remaining 12 children borrowed Science books. How many children were at the library?

(1) 24
(2) 16
(3) 8
(4) 4

20. In the square grid below, figure C is a rectangle, figures D and E are squares. Arrange figures C, D and E from the smallest area to the largest.



	Smallest		Largest
(1)	D,	C,	E
(2)	D,	E,	C
(3)	E,	C,	D
(4)	E,	D,	C

Maha Bodhi School
2022 Semestral Assessment 1
Primary 4
Mathematics
Booklet B

Name : _____ ( )

Class : Primary 4 _____

Date : 10 May 2022

Total Duration for Booklets A and B: 1 h 45 min

INSTRUCTIONS TO CANDIDATES:

Booklet	Marks Obtained	Max Marks
A		40
B		60
Total		**100**

Parent's signature: _____

This booklet consists of **13** printed pages.

Section B (40 marks)

Questions **21** to **40** carry 2 marks each.
Show your working clearly and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

21. Write thirty-five thousand and twenty-one in numerals.

Ans: _____

22. 87 500 is _____ more than 86 900.

Ans: _____

23. Find the value of 984 ÷ 4.

Ans: _____

24. Arrange the fractions in order, beginning with the greatest.

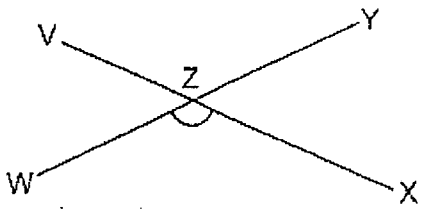
$\frac{1}{3}, \frac{3}{5}, \frac{3}{7}$

Ans: _____, _____, _____
greatest

25. What is the mixed number that is exactly halfway between $\frac{11}{7}$ and $\frac{13}{7}$?

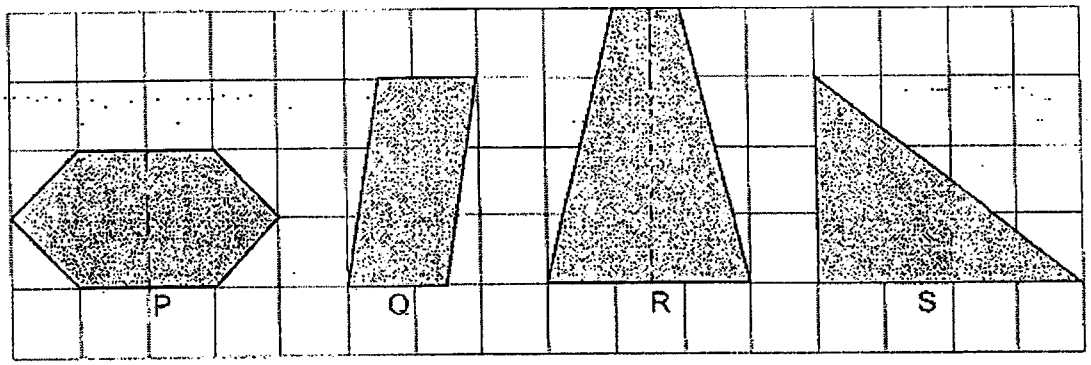
Ans: _____

26. Name the marked angle in the figure below.



Ans: ∠_____

27. Classify the following figures by writing the letters P, Q, R and S in the correct columns.



Symmetric Figure	Not A Symmetric Figure

28. Express 5 km 90 m in metres.

Ans: _____ m

29. What is the greatest 2-digit multiple of 6?

Ans: _____

30. I am a 2-digit even number.
The digit in the ones place is a factor of 6.
The sum of all the digits is 14.
What number am I?

Ans: _____

31. What is the missing number in the box?

$$\begin{array}{r} 1\ 0\ \boxed{?}\ 4 \\ \times \qquad\quad 5 \\ \hline 5\ 3\ 7\ 0 \end{array}$$

Ans: _____

32. Mr Ng bought 24 sticker books. Each book had 320 stickers.
How many stickers were there altogether?

Ans: _____

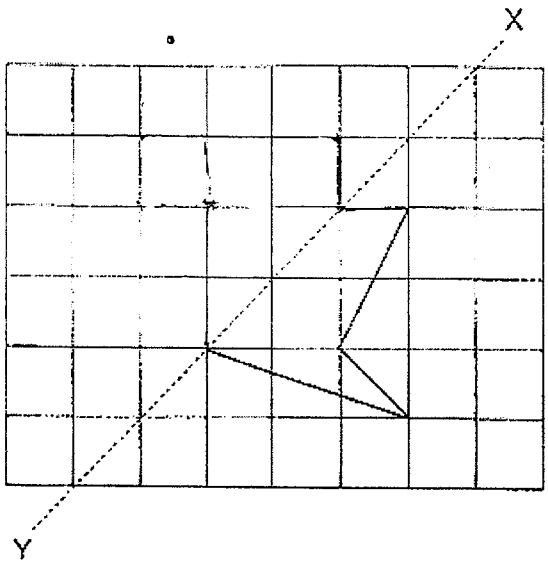
33. What is the missing fraction in the box?
Express your answer in its simplest form.

Ans: _____

34. In a class of 39 pupils, $\frac{1}{3}$ of them can swim.
How many pupils cannot swim?

Ans: _____

35. Line XY is the line of symmetry. Draw to complete the symmetrical shape.



36. A ribbon was 1870 cm long. Sarah used 398 cm of it for her project. How much ribbon did she have left?

Ans: _____ cm

37. A book has 16 pages.

Max wanted to add up all the page numbers in the book.

He created a table to collate his findings and has completed part of it.

Page number	1	2	3	4	...	16
Sum of the page numbers	1	3	6	10	...	?

What was the sum of all the page numbers in the book?

Ans: _____

38. A jug contained some juice.

Mother added $\frac{3}{5}$ ℓ of juice into the jug.

Xavier drank $\frac{1}{2}$ ℓ of the juice from the jug.

There was $\frac{4}{5}$ ℓ of juice left in the jug in the end.

How much juice was there in the jug at first?

Ans: _____ ℓ

39. A box containing 5 magazines has a total mass of $\frac{8}{9}$ kg.

The same box containing 10 such magazines weighs $1\frac{4}{9}$ kg.

What is the total mass of the box and 15 magazines?

Express your answer in mixed number.

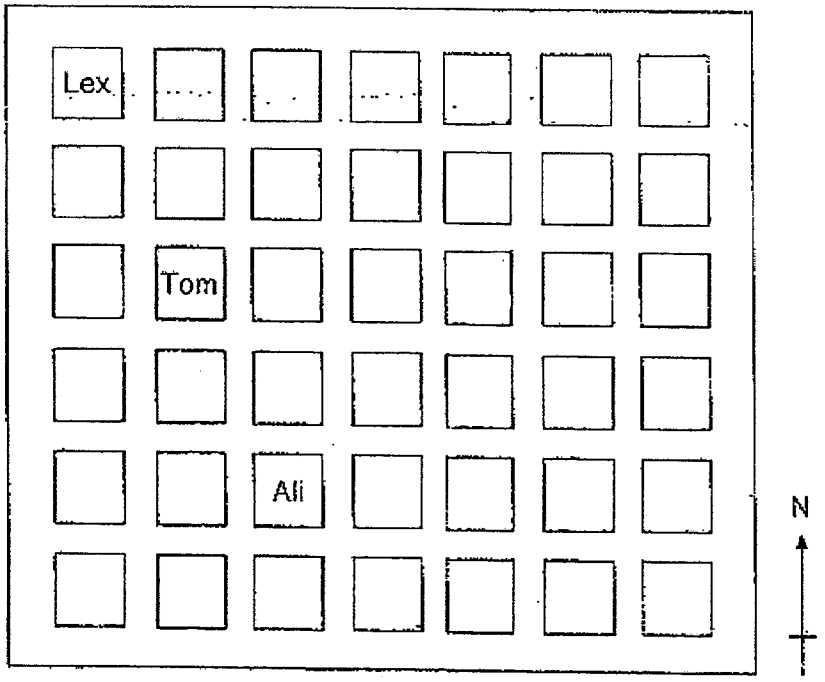
Ans: _____ kg

40. Below is a seating plan of a classroom.

Mary sits north-east of Jerry and east of Lex.

Jerry sits north-east of Ali. Tom sits west of Jerry.

Put a tick inside the square where Mary sits.



Section C (20 marks)

Questions **41** to **45** carry 4 marks each.

Show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

41. The total cost of a bookshelf and study table is $3500.
The study table cost $720 more than the bookshelf.

(a) What is the cost of the bookshelf?

(b) A sofa cost twice as much as the bookshelf.
What is the total cost of the bookshelf, study table and sofa?

Ans: (a) _____ [2]

(b) _____ [2]

/ 4

42. At a bakery, $\frac{1}{2}$ of the tarts were chocolate flavoured, $\frac{1}{8}$ of the tarts were vanilla flavoured and the rest were strawberry flavoured.

There were 234 fewer strawberry tarts than chocolate tarts.

(a) What fraction of the tarts were strawberry flavoured?

(b) How many tarts were there in the bakery?

Ans: (a) _____ [2]

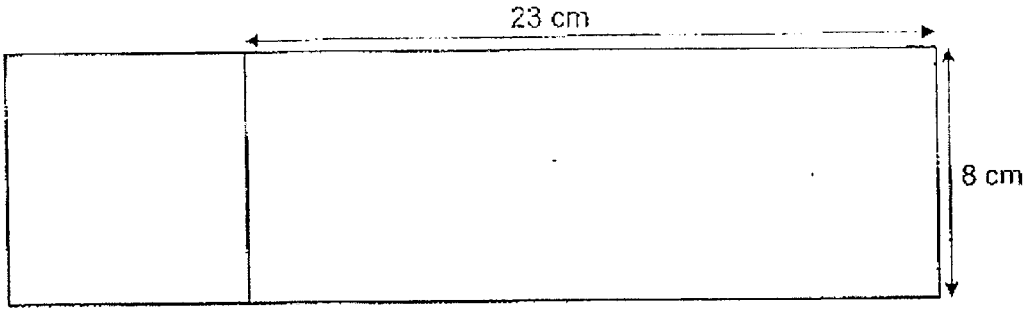
(b) _____ [2]

/ 4

43. The figure below is made up of a rectangle and two identical squares.

(a) What is the perimeter of the figure?

(b) What is the area of the figure?



Ans: (a)_____[2]

(b)_____[2]

/ 4

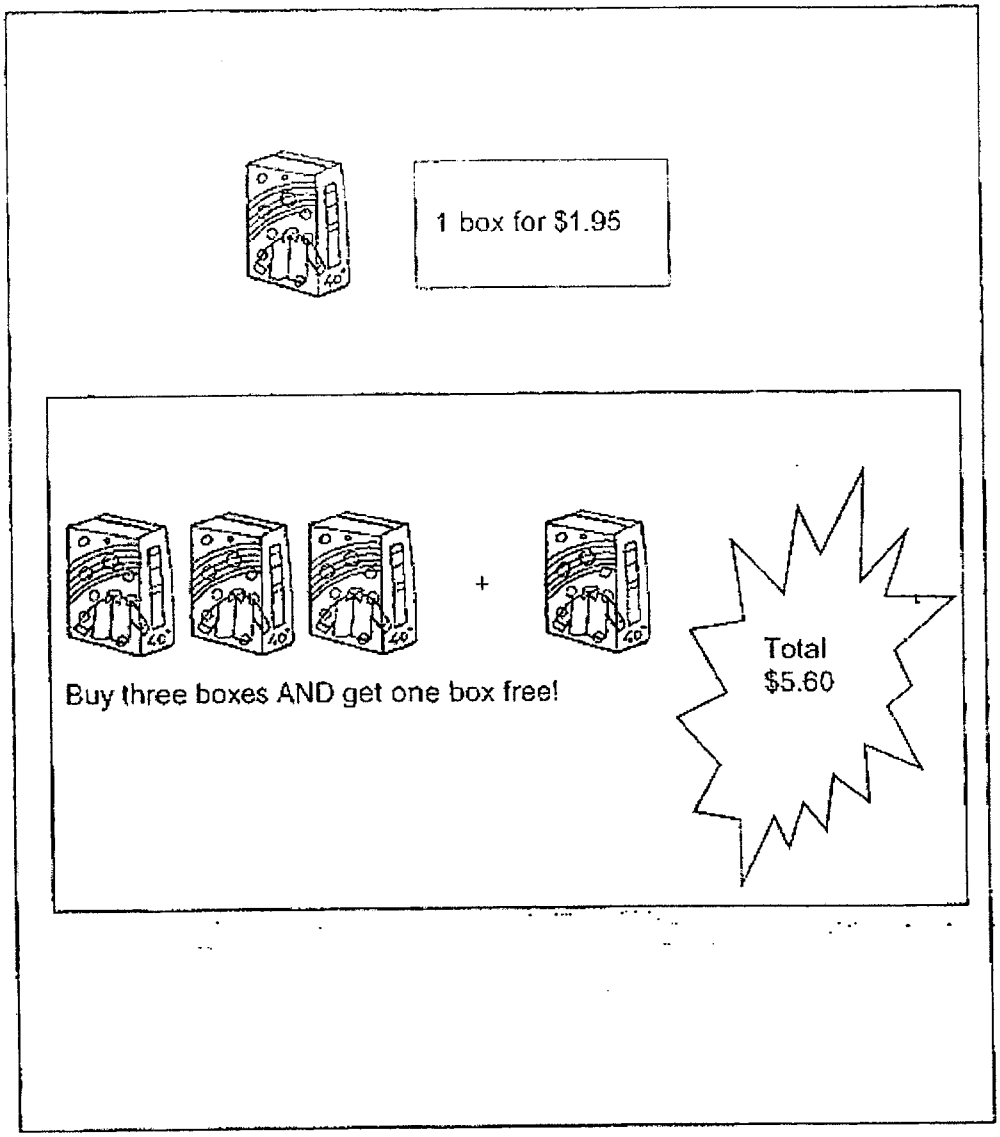
44. Ravi counted 15 animals and 42 legs in a farm.
Some were cows and the others were ducks.
How many cows and how many ducks were there?

Ans: _____ cows

_____ ducks [4]

/ 4

45. Mr Wallace and Mrs Zee bought washing powder from a shop at the prices shown below.



(a) Mr Wallace bought 2 boxes of washing powder from the shop.
How much did he pay in all?

(b) Mrs Zee needed 13 boxes of washing powder.
What is the least amount of money she spent to purchase the washing powder from the shop?

Ans: (a)_____[1]

(b)_____[3]

-------- The End --------

/ 4

Remember to check your work!

SCHOOL : MAHA BODHI PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2022 SA1

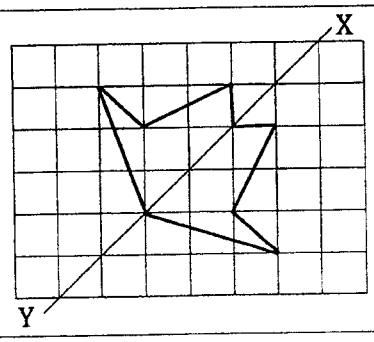
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	4	3	4	4	1	1	3	4
Q 11	Q12	Q13	Q14	Q15	Q16)	Q17	Q18	Q19	Q20
3	1	4	3	1	1	4	4	1	3

PAPER 1 BOOKLET B

Q21)	35021
Q22)	600
Q23)	246
Q24)	$\frac{3}{5}$, $\frac{3}{7}$, $\frac{1}{3}$
Q25)	$1\frac{5}{7}$
Q26)	$< WZX$
Q27)	PR | QS
Q28)	5090m
Q29)	96
Q30)	86
Q31)	7
Q32)	320 x 24 = 7680
Q33)	$\frac{1}{12}$
Q34)	3 units = 39 1 unit = 39 ÷ 3 = 13 39 – 13 = 26pupils

Q35)



Q36) $1870 - 398 = 1472\text{cm}$

Q37) $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 = 136$

Q38)

$$\frac{4}{5} + \frac{1}{2} = \frac{8}{10} + \frac{5}{10}$$

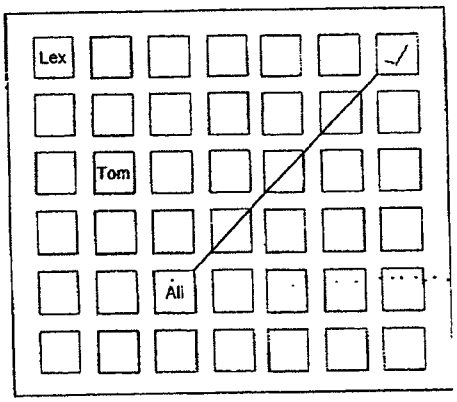
$$= \frac{13}{10}$$

$$\frac{13}{10} - \frac{3}{5} = \frac{13}{10} - \frac{6}{10}$$

$$= \frac{7}{10}\ell$$

Q39) 2kg

Q40)



Q41)

a) \$3500 - \$720 = \$2780
\$2780 ÷ 2 = \$1390

b) \$1390 x 2 = \$2780
\$1390 + \$720 = \$2110
\$1390 + \$2110 = \$3500
\$3500+ \$2780 = \$6280

Q42)

a) $\frac{1}{2} + \frac{1}{8} = \frac{4}{8} + \frac{1}{8}$

$$= \frac{5}{8}$$

$$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$$

	b) $234 \times 8 = 1872$
Q43)	a) $8 \times 4 = 32$ $23 \times 2 = 46$ $32 + 46 = 78\text{cm}$ b) $23 + 8 = 31$ $31 \times 8 = 248cm^2$
Q44)	6 cows 9 ducks
Q45)	a) $\$1.95 + \$1.95 = \$3.90$ b) $\$5.60 \times 3 = \$16.80$ $\$16.80 + 1.95 = \$18.75$