SA1

Maha Bodhi School
2021 Semestral Assessment 1
Primary 4
Mathematics
Booklet A

Name : _____ ( )

Class : Primary 4 _____

Date : 11 May 2021

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 9 printed pages.

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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 does the digit 2 in 42 563 stand for?

   (1) 2 tens
   (2) 2 hundreds
   (3) 2 thousands
   (4) 2 ten thousands

2. 7 ten thousands + 3 hundreds + 9 ones = _____

   (1) 73 009
   (2) 70 309
   (3) 7309
   (4) 7039

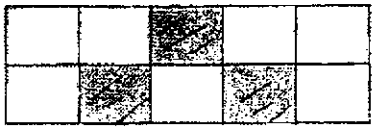
3. Which of the following is a common factor of 24 and 52?

   (1) 8
   (2) 6
   (3) 3
   (4) 4

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4. What fraction of the figure is shaded?



(1) $\frac{3}{7}$

(2) $\frac{3}{9}$

(3) $\frac{3}{10}$

(4) $\frac{7}{10}$

5. $\frac{5}{8} = \frac{\boxed{?}}{32}$

What is the missing number in the box?

(1) 29

(2) 20

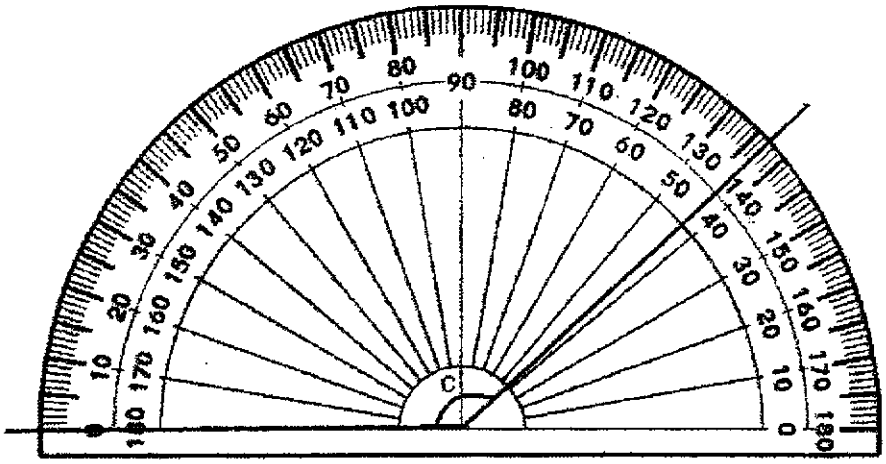
(3) 15

(4) 4

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6. The size of $\angle c$ is _____.



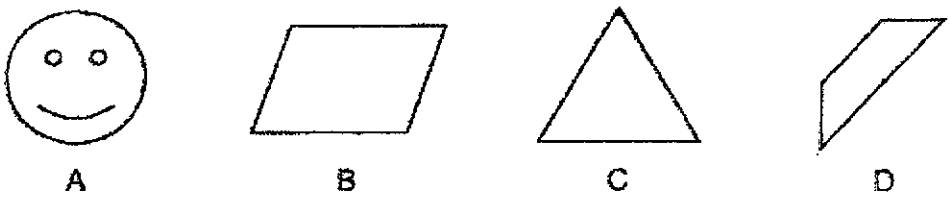
(1) 43°

(2) 57°

(3) 137°

(4) 143°

7. Which of the following does **not** have a line of symmetry?



A B C D

(1) A

(2) B

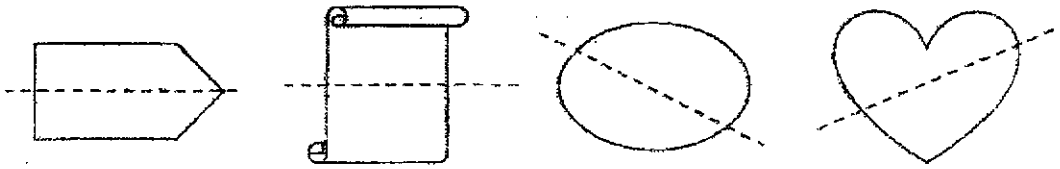
(3) C

(4) D

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8. Which of these dotted lines is a line of symmetry?



A B C D

(1) A
(2) B
(3) C
(4) D

9. A number when rounded to the nearest thousand is 85 000.
What could be the smallest possible value of this number?

(1) 84 499
(2) 84 500
(3) 85 499
(4) 85 500

10. A number when divided by 6 gives a quotient of 345 and a remainder is 3.
What is the number?

(1) 57
(2) 58
(3) 2067
(4) 2073

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11. A box of 10 donuts costs $5. How many donuts can Aunty Helen buy with $30?

(1) 50
(2) 60
(3) 150
(4) 300

12. Arrange the following fractions from the greatest to the smallest.

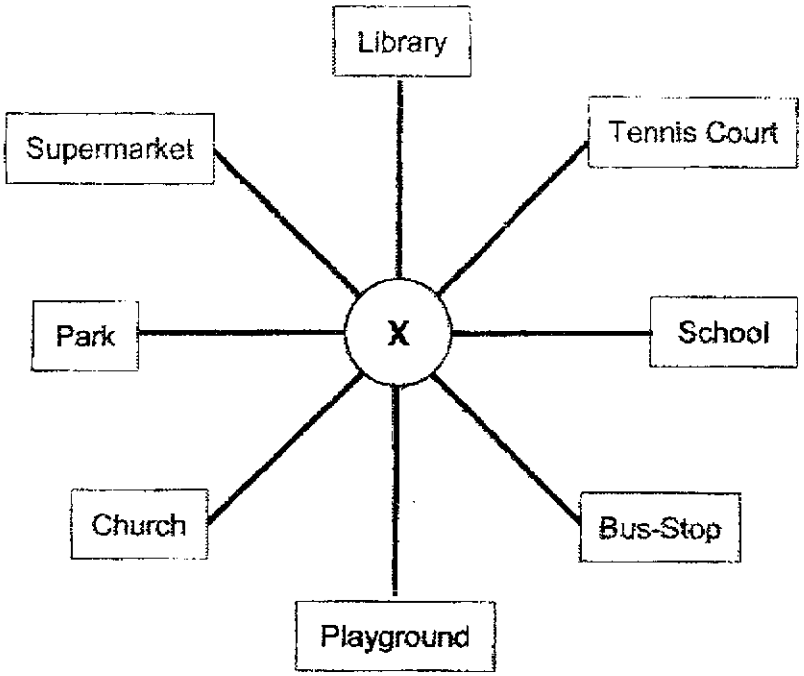
$\frac{3}{5}$	$\frac{5}{12}$	$\frac{5}{7}$

	Greatest				Smallest
(1)	$\frac{5}{12}$	,	$\frac{3}{5}$	,	$\frac{5}{7}$
(2)	$\frac{5}{7}$	,	$\frac{5}{12}$	,	$\frac{3}{5}$
(3)	$\frac{5}{7}$	,	$\frac{3}{5}$	,	$\frac{5}{12}$
(4)	$\frac{3}{5}$	,	$\frac{5}{7}$	,	$\frac{5}{12}$

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13. Adrian was standing at point X. After making a $\frac{3}{4}$ - turn clockwise, he faced the playground. Where was he facing at first?



(1) Park
(2) School
(3) Supermarket
(4) Tennis Court

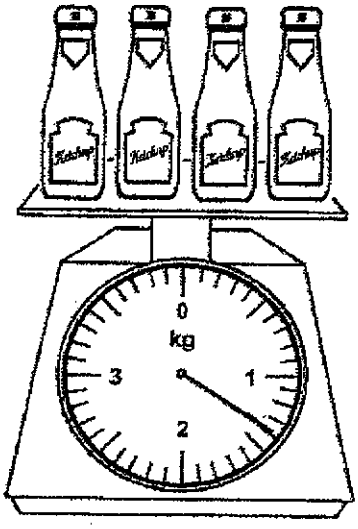
14. Which of the following names has all 3 letters that are symmetric?

(1) A L I
(2) B O N
(3) M A E
(4) S A M

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15. The diagram below shows 4 identical bottles of ketchup.
What is the mass of each bottle of ketchup?



(1) 350 g
(2) 375 g
(3) 1400 g
(4) 1500 g

16. Mrs Tan went to the supermarket. She spent $18.45 on vegetables and $12 more on meat. She gave the cashier a $100 note. How much change did she get?

(1) $30.45
(2) $48.90
(3) $51.10
(4) $69.55

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17. The sum of three numbers is 183. The first number is 20 less than the second number. The third number is 17 more than the second number. What is the second number?

(1) 61
(2) 62
(3) 78
(4) 79

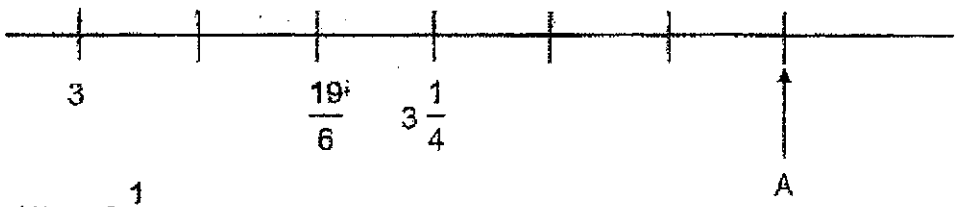
18. 4 apples are sold at $3.
5 oranges are sold at $4.
John bought 2 more apples than oranges.
He spent the same amount of money on both the apples and the oranges.
How many apples did he buy?

(1) 6
(2) 12
(3) 30
(4) 32

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19. In the number line, what is the mixed number represented by A?



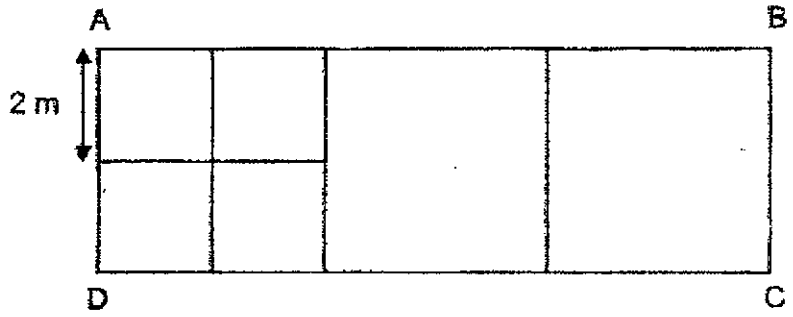
(1) $3\frac{1}{2}$

(2) $3\frac{2}{3}$

(3) $3\frac{3}{4}$

(4) $3\frac{5}{6}$

20. In the figure below, rectangle ABCD is made up of 3 identical big squares. Each big square is made up of 4 identical small squares.
Find the perimeter of rectangle ABCD.



(1) 16 m

(2) 24 m

(3) 32 m

(4) 48 m

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Maha Bodhi School
2021 Semestral Assessment 1
Primary 4
Mathematics
Booklet B

Name : _____ ( )

Class : Primary 4 _____

Date : 11 May 2021

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. Write your answers in this booklet.

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

Parent's signature: _____

This booklet consists of **12** printed pages.

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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 43 089 in words.

Ans: _____

22. 1000 less than 50 170 is _____

Ans: _____

23. Find the value of 612 × 34

Ans: _____

24. Express $\frac{38}{8}$ as a mixed number in the simplest form.

Ans: _____

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25. Find the value of $\frac{3}{5} - \frac{1}{3}$

Ans: _____

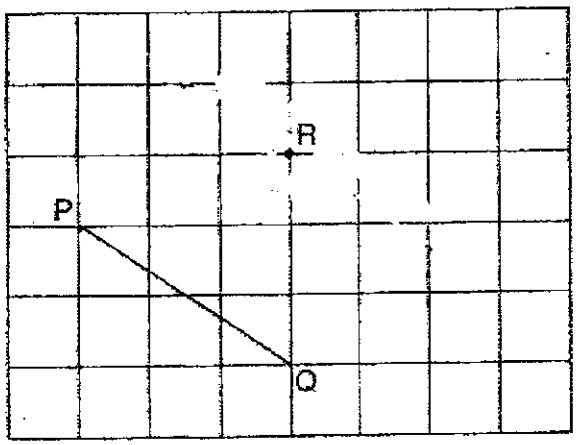
26. Line AB is drawn as shown below.

Join point B to one of the 2 dots such that $\angle ABC = 115°$.

Mark the angle and label point C.



27. Draw a line parallel to line PQ, passing through point R.

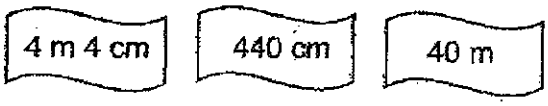


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28. Three lengths are given below. Which is the longest? Which is the shortest?



Ans: Longest: _____

Shortest: _____

29. What is the missing number in the number pattern below?

31 020, 30 520, 30 720, 30 220, 30 420, 29 920, 30 120, ?

Ans: _____

30. Which two numbers below are multiples of both 3 and 5?

9 , 15 , 18 , 24 , 35 , 45

Ans: _____ and _____

/ 6

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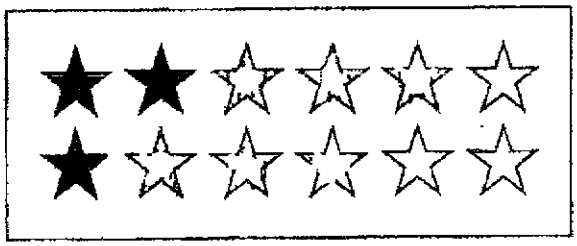
31. The product of two numbers is 5782.
The smaller number is 7.
What is the bigger number?

Ans: _____

32. Meili collected a total of 324 local and foreign stamps. The number of foreign stamps was 3 times as many as the number of local stamps. How many local stamps did Meili have?

Ans: _____ stamps

33. How many **more** stars must be shaded so that $\frac{3}{4}$ of the stars are shaded?



Ans: _____ more stars

/ 6

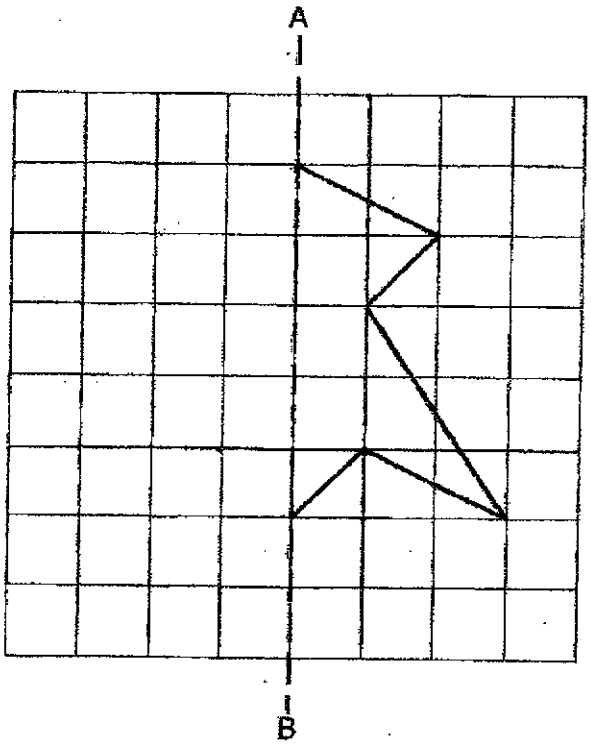
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34. Amy had some candies. She gave $\frac{2}{5}$ of her candies to her brother and had 180 candies left. How many candies did Amy have at first?

Ans: _____ candies

35. Complete the figure below so that AB is a line of symmetry.



/ 4

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36. Mrs Ong has 9 bottles of water. Each bottle contains 250 ml of water.
She pours all the water into a pail. How much water will there be in the pail?
Give your answer in litres and millilitres.

Ans: _____ ml

37. How many 4-digit numbers that are smaller than 2100 can be formed using the digits 2 , 0 , 1 and 4?
Each digit can only be used once to form each 4-digit number.

Ans: _____

38. David had 45 blue, purple and green pens altogether.
$\frac{1}{3}$ of them are blue, $\frac{4}{9}$ of them are purple and the rest are green.
How many green pens does he have?

Ans: _____ pens

/ 6

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39. Lily had $\frac{2}{3}$ kg of raisins at first. $\frac{1}{4}$ kg of them were rotten.

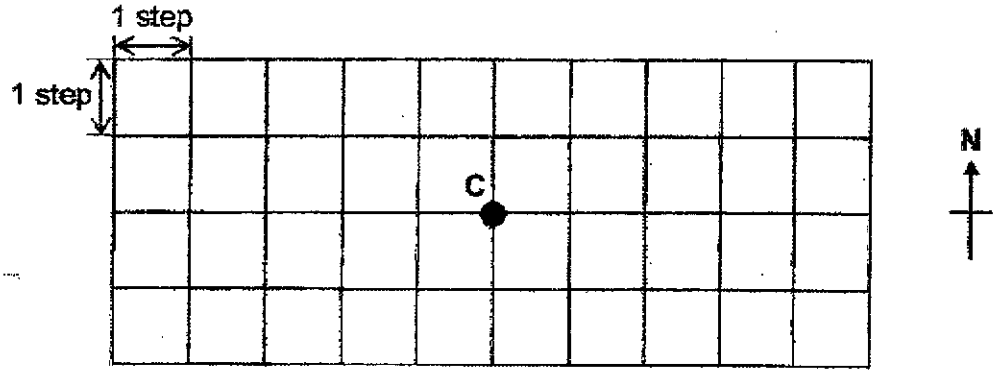
She needed 3 kg of raisins to bake her muffins.

How much more raisins would Lily need to buy?

Give your answer as a mixed number in the simplest form.

Ans: _____ kg

40.



Marcus walked 2 steps east from point A to point B. Then he walked 2 steps north from point B to point C.

Point A is _____ of point C.

Ans: _____

/ 4

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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. Ahmad had 78 erasers.

He had twice as many erasers as Sam.

Gabriel had twice as many erasers as Ahmad.

a) How many erasers did Sam have?

b) How many more erasers did Gabriel have than Sam?

Ans: a) _____ [2]

b) _____ [2]

/ 4

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42. Avril walked $\frac{5}{6}$ km from the park to her house.

She then cycled from her house to the shop.

The distance she cycled was $\frac{3}{4}$ km more than the distance she walked.

What was the total distance she cycled and walked?

Give your answer as a mixed number in the simplest form.

Ans: _____ [4]

/ 4

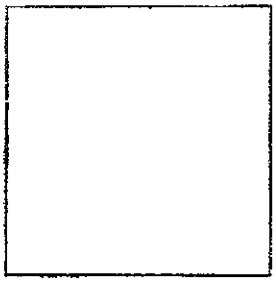
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43. The figure below shows a square.

a) What is the perimeter of the square?

b) What is the area of the square?



27 cm

Ans: a) _____ [2]

b) _____ [2]

/ 4

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44. Ali and Joe had 1200 stickers altogether.
After Ali gave Joe 180 stickers, Joe had 150 fewer stickers than Ali.
How many stickers did Joe have at first?

Ans: _____ [4]

/ 4

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45. Harry, Kate and William had the same amount of money at first.
Kate then gave $26.30 to Harry and $31.70 to William.

(a) How much more money did Harry have than Kate in the end?

(b) The amount of money Kate had at first was twice the amount of money she had in the end. How much money did Kate have at first?

Ans: a) _____ [2]

b) _____ [2]



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

Remember to check your work!

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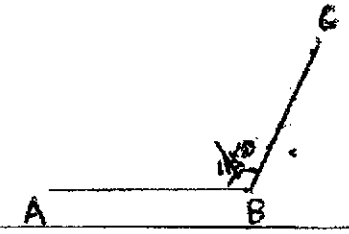
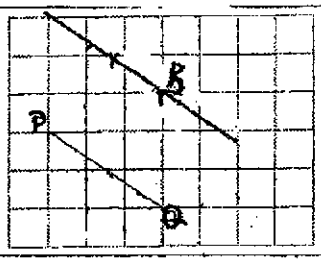
ANSWER KEY

YEAR : 2021
LEVEL : Primary 4
SCHOOL : Maha Bodhi School
SUBJECT : MATHEMATICS
TERM : Semestral Assessment 1

BOOKLET A (PAPER 1)

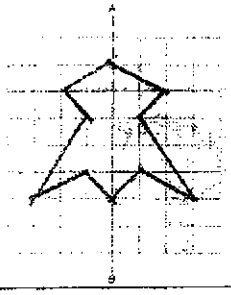
Q1	3	Q2	2	Q3	4	Q4	3	Q5	2
Q6	3	Q7	2	Q8	1	Q9	2	Q10	4
Q11	2	Q12	3	Q13	1	Q14	3	Q15	1
Q16	3	Q17	2	Q18	4	Q19	1	Q20	3

BOOKLET B (PAPER 1)

Q21	Forty-three thousand and eighty nine	Q22	49170
Q23	20808	Q24	$4\frac{3}{4}$
Q25	$\frac{3}{5} - \frac{1}{3} = \frac{9}{15} - \frac{5}{15}$ $= \frac{4}{15}$	Q26	
Q27		Q28	Ans : Longest : 40m Shortest : 4m 4cm
Q29	30120-500=29620	Q30	15 and 45
Q31	$5782 \div 7 = 826$	Q32	$324 \div 4 = 81$
Q33	9-3=6	Q34	$180 \div 3 = 60$ $60 \times 5 = 300$

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Q35		Q36	$250\times9=2250$ $2250ml=2\ell\ 250ml$
Q37	8	Q38	$\frac{1}{3}+\frac{4}{9}=\frac{7}{9}$ $1-\frac{7}{9}=\frac{2}{9}$ $(45\div9)\times2=10$
Q39	$\frac{2}{3}-\frac{1}{4}=\frac{5}{12}$ $3-\frac{5}{12}=2\frac{7}{12}$	Q40	South-West
Q41	(a) $78\div2=39$ (b) $78\times2=156$ 156-39=117	Q42	$\frac{5}{6}+\frac{3}{4}=\frac{38}{24}$ $\frac{38}{24}+\frac{20}{24}=\frac{58}{24}$ $\frac{58}{24}=2\frac{5}{12}km$
Q43	(a) $27\times4=108cm$ (b) $27\times27=729cm^2$	Q44	1200-180-180-150=690 $690\div2=345$
Q45	(a) 26.30+26.30=52.60 52.60+31.70=\$84.30 (b) 26.30+31.70=58 $58\times2=\$116$		

END

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