MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 3 MATHEMATICS

25 OCTOBER 2019

BOOKLET A

17 questions

30 marks

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

NAME :_____( )

CLASS : PRIMARY 3_____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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Section A: 30 marks

Questions 1 to 4 carry 1 mark each. Questions 5 to 17 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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. The value of the digit 5 in 1569 is _____.

   (1) 5 ones
   (2) 5 tens
   (3) 50 ones
   (4) 50 tens

2. 5 km 4 m = _____

   (1) 504 m
   (2) 5004 m
   (3) 5040 m
   (4) 5400 m

3. Which of the fractions below is in the simplest form?

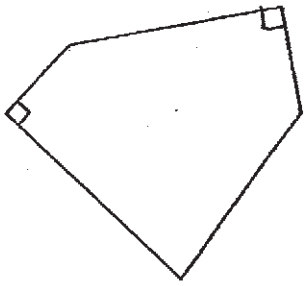
   (1) $\frac{2}{4}$
   (2) $\frac{3}{7}$
   (3) $\frac{6}{9}$
   (4) $\frac{8}{12}$

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4. How many right angles are there inside the figure?

(1) 1
(2) 2
(3) 3
(4) 0



5. Find the sum of $\frac{1}{6}$ and $\frac{2}{3}$.

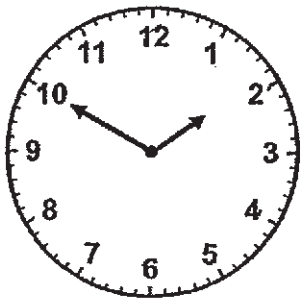
(1) $\frac{1}{3}$

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

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

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

6. Moses started swimming in an indoor swimming pool at the time shown below. He swam for 45 minutes. What time did he finish his swim?



(1) 1.05 p.m.
(2) 1.50 p.m.
(3) 2.35 p.m.
(4) 3.35 p.m.

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7. $72 \div _____ = 3 \times 3$

(1) 8
(2) 9
(3) 12
(4) 63

8. 9 packets of flour weigh 3015 g. Find the mass of 1 packet of flour.

(1) 35 g
(2) 306 g
(3) 335 g
(4) 345 g

9. Janice took 3 h 5 min to complete both her Science and English test papers. She took 1 h 50 min to complete her English test paper. How long did she take to complete her Science test paper?

(1) 1 h 15 min
(2) 1 h 55 min
(3) 2 h 45 min
(4) 4 h 55 min

10. What is the missing number in the box?

$$\frac{6}{9} = \frac{\square}{12}$$

(1) 9
(2) 8
(3) 3
(4) 4

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11. Amira bought a blouse for $19.95 and a dress for $39.50.
She gave the cashier $100. How much change did she get?

(1) $19.55
(2) $30.05
(3) $40.55
(4) $59.45

12. Andrew has 6 vases. He puts 3 roses and 4 sunflowers in each vase.
How many flowers are in the vases altogether?

(1) 13
(2) 18
(3) 24
(4) 42

13. A bakery baked 324 cakes on Sunday.
It baked 168 more cakes on Sunday than on Saturday.
How many cakes were baked on both days?

(1) 480
(2) 492
(3) 660
(4) 816

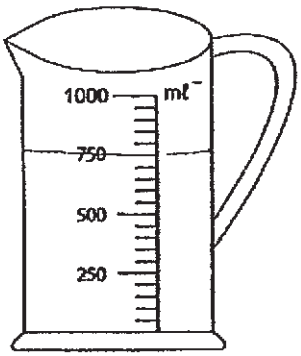
14. Ahmad is twice as old as Cindy. Benson is 3 years older than Ahmad.
How old is Cindy if Benson is 25 years old?

(1) 11
(2) 14
(3) 17
(4) 22

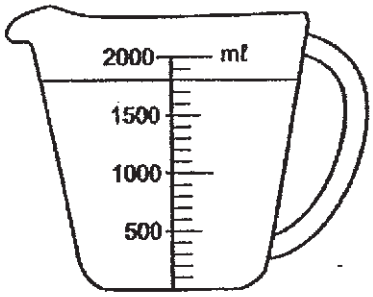
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15. Find the difference in the amount of water in Jugs A and B.



Jug A



Jug B

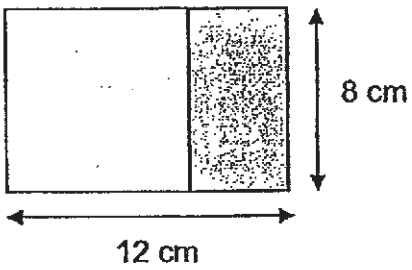
(1) 750 ml

(2) 780 ml

(3) 1050 ml

(4) 2550 ml

16. The figure below is made up of a square and a shaded rectangle. Find the area of the shaded rectangle.



(1) 32 cm^2

(2) 40 cm^2

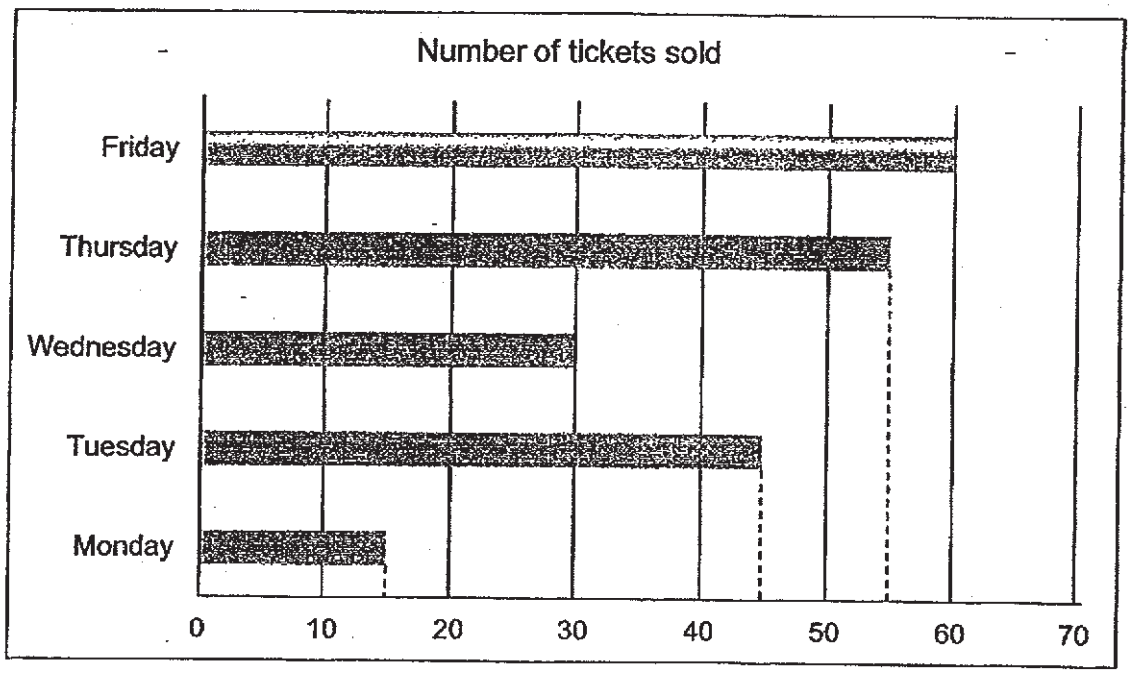
(3) 64 cm^2

(4) 96 cm^2

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17. The bar graph below shows the number of tickets sold at a cinema from Monday to Friday.



On which day did the cinema sell twice as many tickets as on Wednesday?

(1) Monday
(2) Tuesday
(3) Thursday
(4) Friday

End of Booklet A

Go on to Booklet B

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MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 3 MATHEMATICS

25 OCTOBER 2019

BOOKLET B

23 questions

50 marks

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

NAME :_____( )

CLASS : PRIMARY 3 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ **/ 30**

BOOKLET B: _____ **/ 50**

TOTAL : _____ **/ 80**

Parent's Signature: _____

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Section B: 32 marks

Questions 18 to 21 carry 1 mark each. Questions 22 to 35 carry 2 marks each. Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

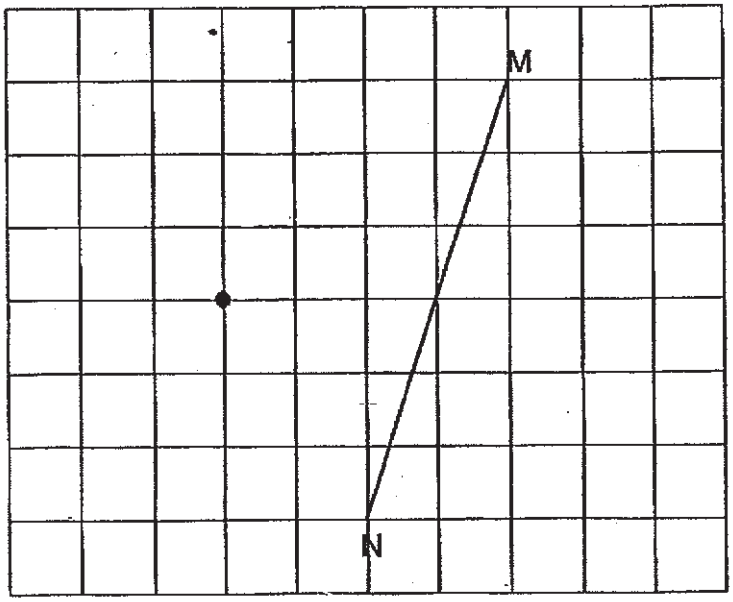
18. Use all the digits **2, 3, 6, 9** to form the greatest 4-digit odd number.

Answer: _____

19. How many $5 notes are there in $1000?

Answer: _____

20. Use a ruler to draw a line **parallel** to line MN. The line has to pass through the point given in the grid below.



3

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21. 15 minutes to 10 a.m. is _____ a.m.

Answer: _____

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22. Mdm Roslind baked 230 muffins. She packed as many muffins as she could into 7 boxes. Each box contained an equal number of muffins.
How many muffins were left over after she finished packing?

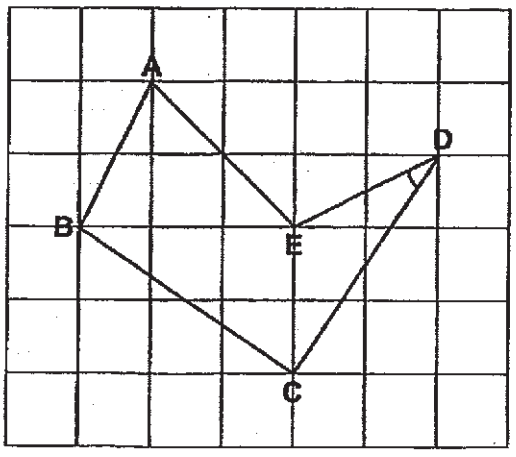
Answer: _____

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23. Study the figure below carefully.

(a) Name a pair of perpendicular lines.

(b) How many angle(s) in the figure is/are <u>smaller</u> than a right angle?



(a) Answer: _____ ⊥ _____

(b) Answer: _____

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24. $\frac{1}{2}$, $\frac{4}{9}$, $\frac{2}{3}$

Arrange the fractions in order, beginning with the greatest.

Answer: _____ (greatest) , _____ , _____ (smallest)

---

25. Study the number pattern below carefully.
What are the missing numbers?

322 , 332 , 352 , 382 , (a) _____ , (b) _____ , 532

Answer: (a) _____

(b) _____

---

26. The sum of two numbers is 136. The smaller number is 50.
Find the difference between the two numbers.

Answer: _____

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27. The Tan family spent 2 h 5 min watching a movie.
The movie ended at 3.00 p.m. What time did the movie start?

Answer: _____ p.m.

---

28. Mr Lim had 9 boxes of red and blue pens.
Each box contained 24 pens. He had 182 blue pens.
How many red pens did he have?

Answer: _____

---

29. I am a 3-digit number.
The digit in the hundreds place is the greatest even number.
The digit in the tens and ones place add up to the digit in the hundreds place.
The digit in the ones place is 2 more than the digit in the tens place.
What number am I ?

Answer: _____

6

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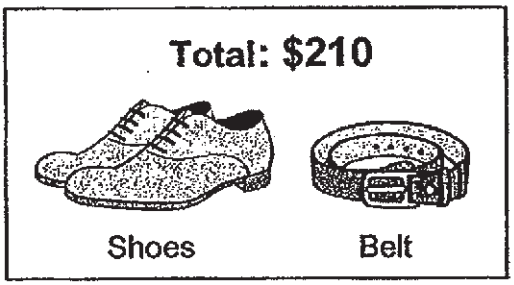
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30. Mr Ravi had some sweets. He gave 3 sweets to each of his 118 students. He kept 8 sweets for himself. How many sweets did he have at first?

Answer: _____

---

31. Jack paid $210 for a pair of shoes and a belt. The pair of shoes cost 6 times as much as the belt. How much did the pair of shoes cost?



Answer: $ _____

---

32. Rope A is shorter than Rope B. Rope C is shorter than Rope A. Rope D is shorter than Rope B.

Based on the information above, each of the following statements is either **True**, **False** or **Not Possible to Tell**. For each statement, put a tick (✓) in the correct column to indicate your answer.

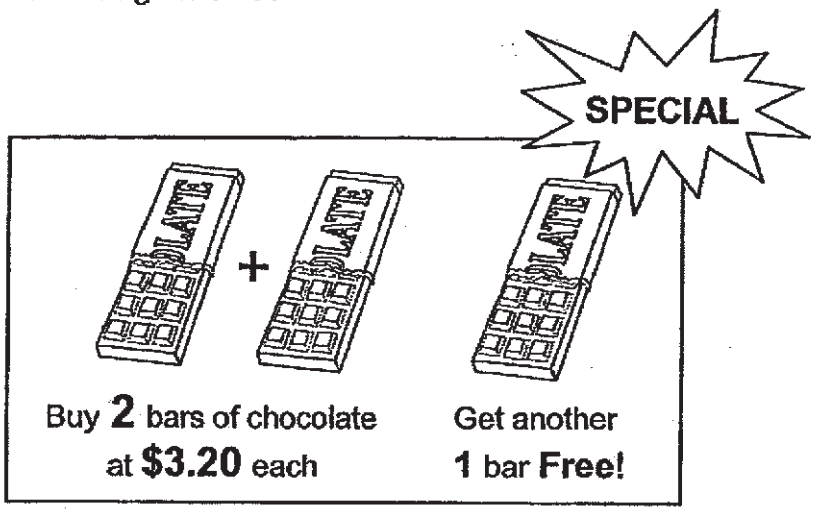
Statement	True	False	Not Possible to Tell
(a) Rope B is the longest.			
(b) Rope A is shorter than Rope D.			

6

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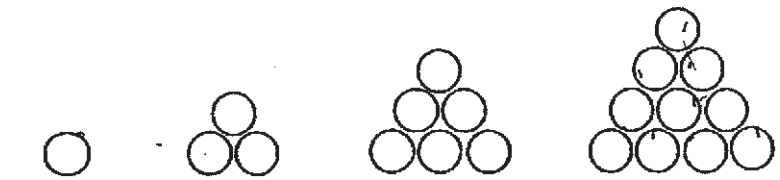
33. At a supermarket, a bar of chocolate is sold at $3.20 each.
During a sale, customers get one bar free for every 2 bars they buy.
Tony needs 6 bars of chocolate. How much does he have to pay if he buys them during the sale?



Answer: $ _____

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34. Study the pattern below carefully.



How many circles are needed to make **Figure 10**?

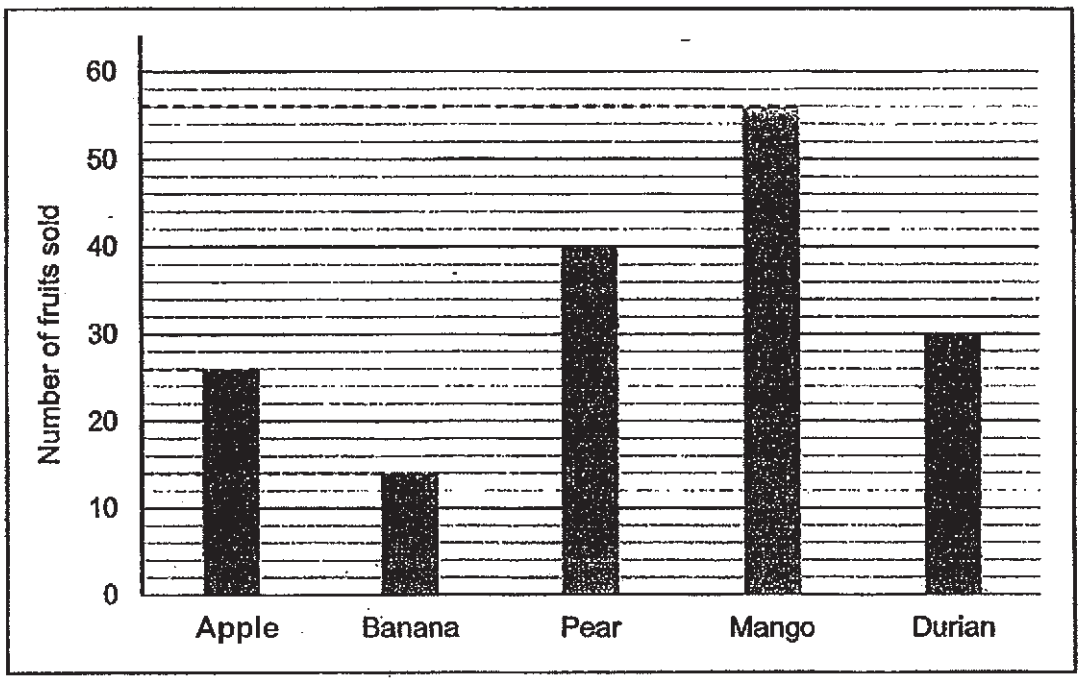
Answer: _____

4

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35. A fruit stall sold 5 different types of fruits. The number sold for each type of fruits is shown in the bar graph below.



Which two fruits together sold the same number as the mango?

Answer: _____ and _____

2

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Section C: 18 marks

Questions 36 and 37 are 3 marks each. Questions 38 to 40 are 4 marks each.

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

36. A group of 60 students went to the beach. 36 were boys. Of the 34 students who brought a cap, 25 were boys. How many girls did not bring a cap?

Working Column

Answer: _____

3

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37. Sacks A and B contain 4280 g of rice altogether.
Sack A has 1096 g of rice.
How much rice must be taken out of Sack B and put into Sack A such that both sacks have the same amount of rice?
Leave your answer in grams.

Working Column

Answer: _____

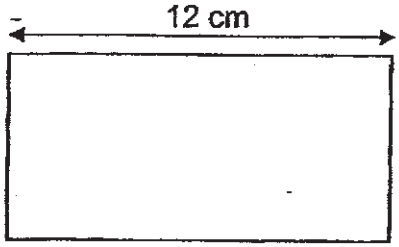
3

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38. Sam bent a piece of wire into a rectangle as shown below.
The length of the rectangle is 12 cm. It is twice the breadth.

Working Column



(a) How long is the piece of wire?

(b) Sam then bent the same wire into a square.
What is the length of one side of the square?

Answer: (a) _____ (2)

Answer: (b) _____ (2)

4

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39. 2 files and 4 pens cost $24.
4 such files and 4 such pens cost $40.
How much does a pen cost?

Working Column

Answer: _____

4

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40. Hamid and Joe had an equal number of stickers at first. After Joe gave Hamid 380 stickers, Hamid has 1420 stickers in the end.

Working Column

(a) How many stickers has Joe in the end?

(b) How many stickers do they have altogether?

Answer: (a) _____ (2)

Answer: (b) _____ (2)

End of Booklet B
Please check your work carefully.

4

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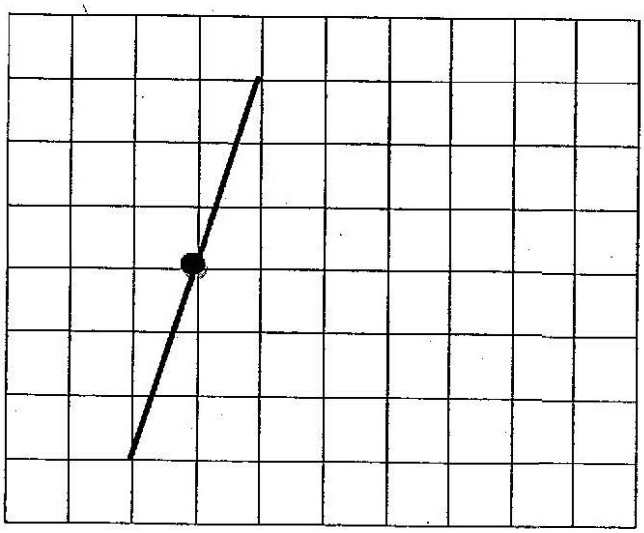
SCHOOL : MARIS STELLA PRIMARY SCHOOL

LEVEL : PRIMARY 3
SUBJECT : MATH
TERM : 2019 SA2

BOOKLET A

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

BOOKLET B

Q18)	9623
Q19)	200
Q20)	
Q21)	9.45a.m

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Q22)	6 muffins
Q23)	a)BC and Dc b)2
Q24)	$\frac{2}{3}, \frac{1}{2}, \frac{4}{9}$
Q25)	a)422 b)472
Q26)	136 – 50 = 86 86 – 50 = 36
Q27)	12.55 p.m
Q28)	9 x 24 = 216 216 – 182 = 34
Q29)	835
Q30)	118 x 3 = 354 354 + 8 = 362
Q31)	210 ÷ 7 = 30 $30 x 6 = $180
Q32)	a)True b)Not Possible To Tell
Q33)	$6.40 x 2 = $12.80
Q34)	55 circles
Q35)	Durian and Apple
Q36)	34 – 25 = 9 60 – 36 = 24 24 – 9 = 15
Q37)	4280 - 1096 = 3184 3184 – 1096 = 2088 2088 ÷ 2 = 1044g

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Q38)	a)12 ÷ 2 = 6 12 x 2 =24 6 x 2 = 12 24 + 12 = 36 cm b)36 ÷ 4 = 9 cm
Q39)	40 – 24 =16 16 ÷ 2 = 8 8 x 2 = 16 24 – 16 = 8 8 ÷ 4 = $2
Q40)	a)380 x 2 = 760 1420 – 760 = 660 b)660 + 1420 = 2080

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