Semestral Assessment 2

Primary Three

2016

MATHEMATICS

BOOKLET A

Name : _____ ( )

Class : Primary 3 _____

Date : 27th October 2016

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **NOT** allowed to use a calculator.

Section A

Questions 1 to 20 carry 2 marks each. For each question, 4 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. You are **not** allowed to use a calculator.

(40 marks)

---

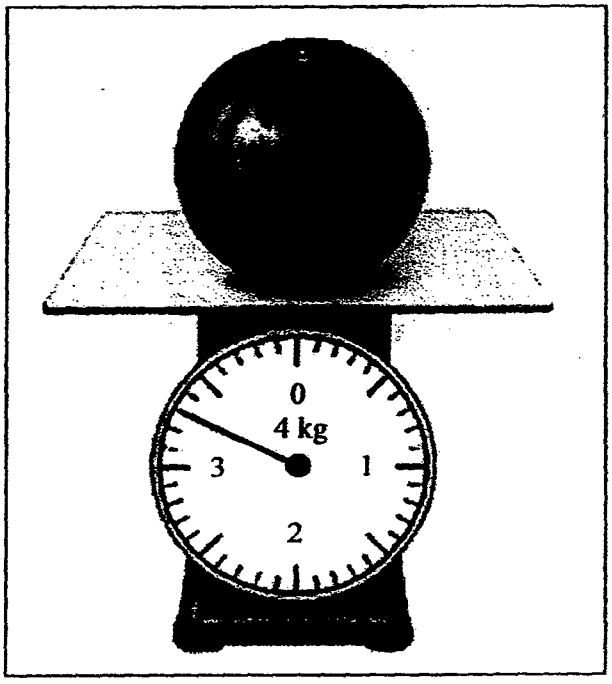
1. In 7896, the digit 7 is in the _____ place.

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

2. Find the sum of 3019 and 4286.

   (1) 7205
   (2) 7295
   (3) 7305
   (4) 7395

6. Mr Bala finds the mass of a watermelon using a weighing scale.



What is the mass of the watermelon?

(1) 3 kg 30g

(2) 3 kg 300g

(3) 4 kg 40g

(4) 4 kg 400g

3. $7+7+7+7+7+7+7+7=$ _____

(1) 8 x 8 x 8 x 8 x 8 x 8 x 8

(2) 8 groups of 7

(3) 7 groups of 7

(4) 54

4. The height of a classroom door is about _____ .

(1) 2 m

(2) 2 cm

(3) 20 m

(4) 20 cm

5. $\frac{15}{35}$ and _____ are equivalent fractions.

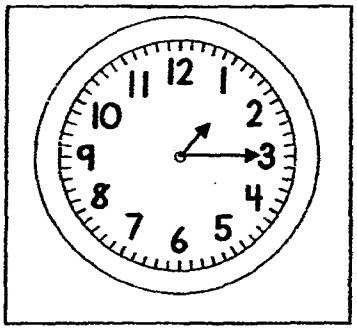
(1) $\frac{3}{7}$

(2) $\frac{3}{5}$

(3) $\frac{45}{70}$

(4) $\frac{45}{60}$

7. The time shown on the clock below is _____ .



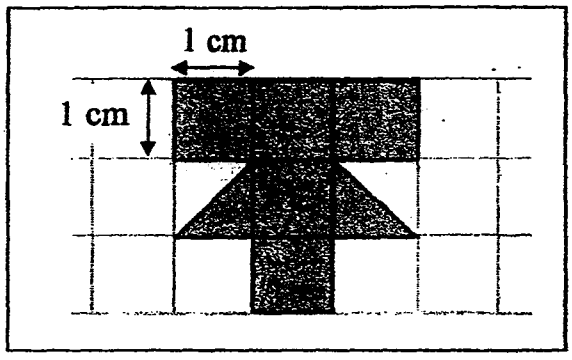
(1) 15 minutes to 1

(2) 15 minutes past 1

(3) 15 minutes to 2

(4) 15 minutes past 2

8. The shaded figure below is not drawn to scale. Find the area of the shaded figure.



(1) 5 cm^2

(2) 6 cm^2

(3) 7 cm^2

(4) 9 cm^2

9. 5000 - _____ = 2579

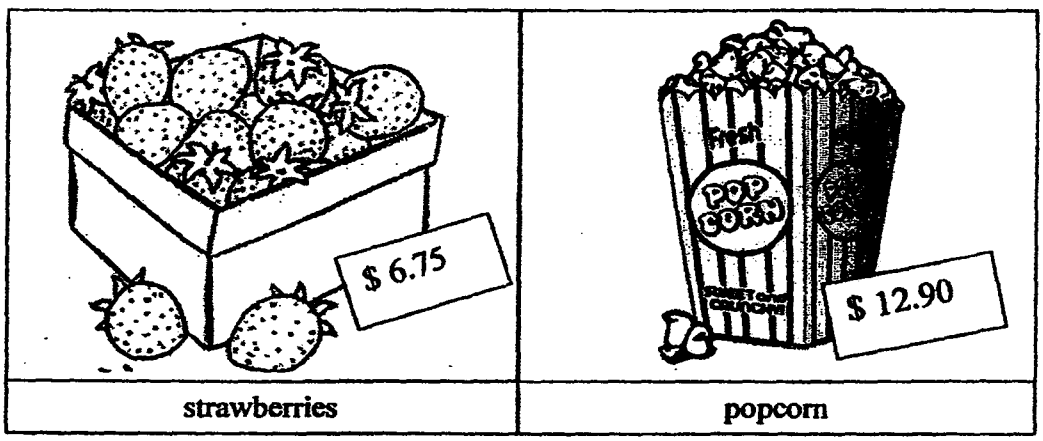
(1) 2420

(2) 2421

(3) 2431

(4) 2439

10. The picture shows the costs of popcorn and strawberries.



How much more does the popcorn cost than the strawberries?

(1) $6.15

(2) $6.25

(3) $18.65

(4) $19.65

11. Which one of the following fractions is less than $\frac{1}{2}$?

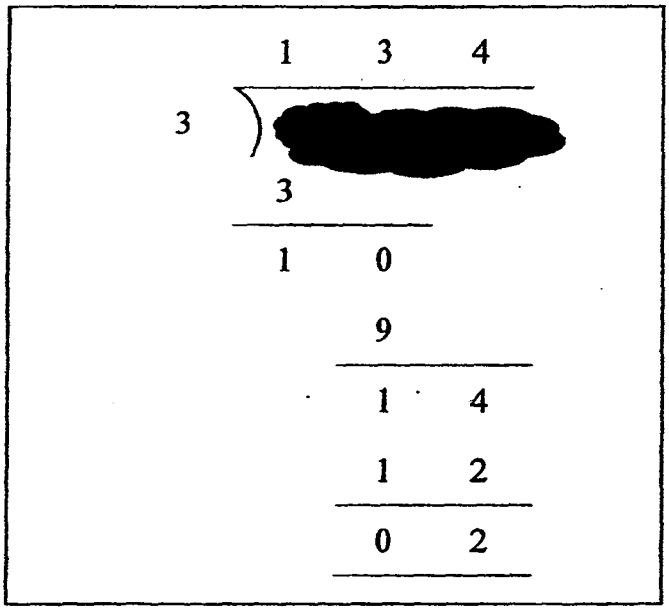
(1) $\frac{4}{9}$

(2) $\frac{4}{8}$

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

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

12. Stuart spilled some ink onto his worksheet. What was the number covered by the ink?



(1) 400

(2) 402

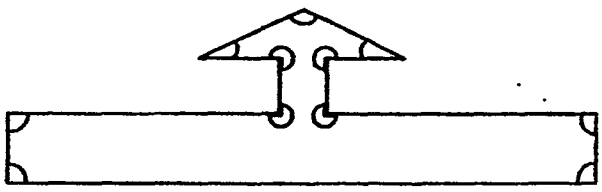
(3) 404

(4) 408

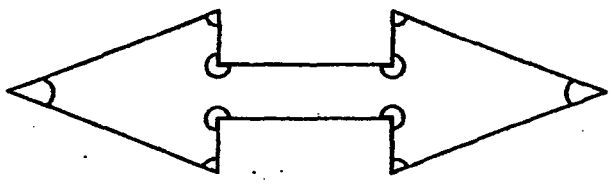
13. Which one of the following figures has the greatest number of obtuse angles in it?

(1)

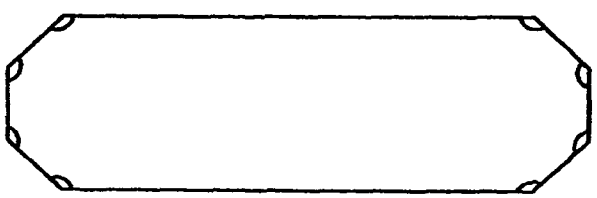
(2)



(3)



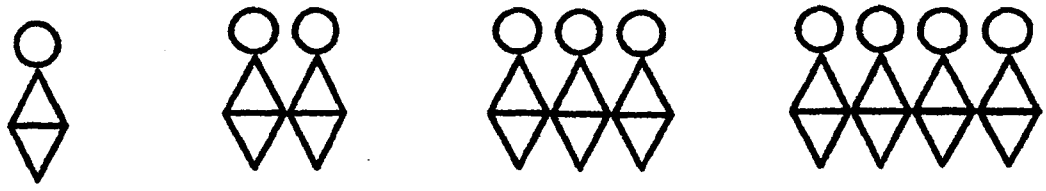
(4)



14. There are 450 students in Primary Three. There are 5 times as many boys as girls. How many boys are there?

(1) 75
(2) 90
(3) 360
(4) 375

15. Study the pattern below carefully.

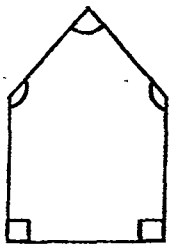


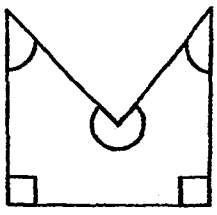
Pattern 1 Pattern 2 Pattern 3 Pattern 4

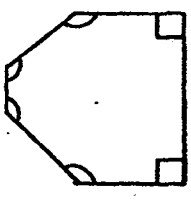
How many triangles are there in Pattern 9?

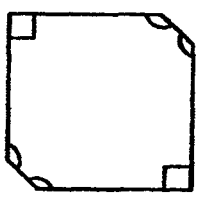
(1) 18
(2) 20
(3) 27
(4) 30

16. Which one of the following figures has 2 right angles and 2 acute angles in it?

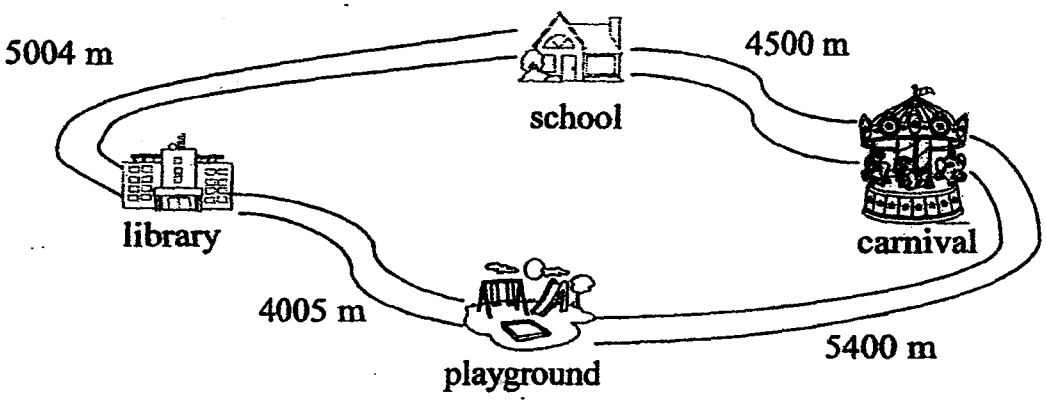
(1) 

(2) 

(3) 

(4) 

17. The diagram below shows the different routes Alice could travel. What was the shorter distance taken by Alice to travel from the school to the playground?



(1) 9 km 900 m

(2) 9 km 90 m

(3) 9 km 9 m

(4) 9 km 0 m

18. Panny had $20. She spent all her money on some cookies. The cookies were sold at $4 for 280 g. How much cookies did Panny buy?

(1) 1 kg 120 g

(2) 1 kg 400 g

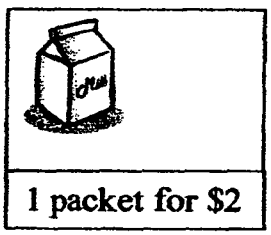
(3) 5 kg

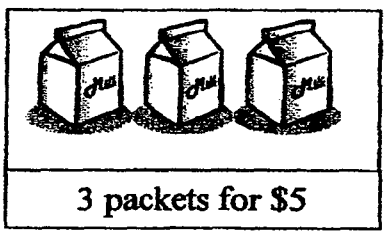
(4) 7 kg

19. Bryan had 492 postcards at first. After giving Jean 165 postcards, he had 58 fewer postcards than Jean. How many postcards did Jean have at first?

(1) 104
(2) 220
(3) 434
(4) 550

20. Packets of milk were sold at a supermarket as shown below.





Mrs Lim bought 10 packets of milk. What was the **least** amount of money she spent to buy 10 packets of milk?

(1) $15
(2) $17
(3) $19
(4) $20

----- End of Booklet A -----

Semestral Assessment 2

Primary Three

2016

MATHEMATICS

BOOKLET B

Name : _____ ( )

Class : Primary 3 _____

Date : 27th October 2016

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **NOT** allowed to use a calculator.

Paper	Marks	Scores
Section A	**40**	
Section B	**40**	
Section C	**20**	
Total	**100**	

Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space provided for each question and write your answer in the spaces provided. For questions which require units, give your answers in the units stated. You are **not** allowed to use a calculator. (40 marks)

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21. Find the product of 362 and 7.

Ans: _____

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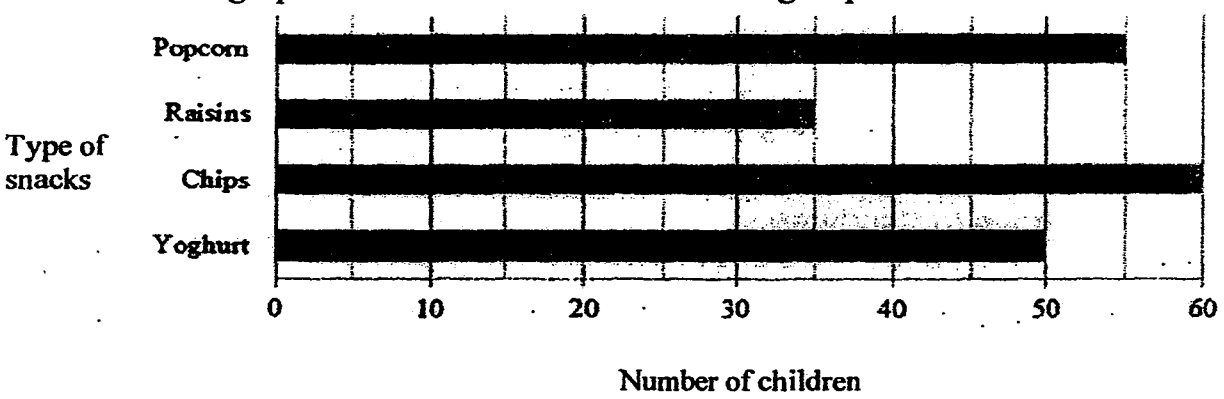
22. The bar graph shows the favourite snacks of a group of children.



Which is the least popular snack?

Ans: _____

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23. Ramesh and his friends played soccer for 1 h 25 min. They started at 4.15p.m. At what time did they finish their soccer game?

Ans: _____ p.m.

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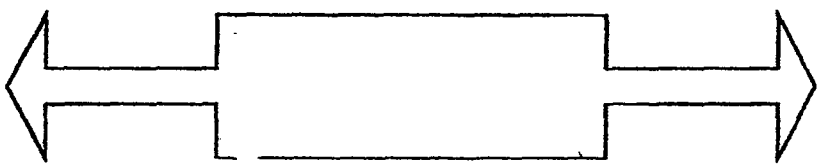
24. Mark all the right angles in the figure below.



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25. After 945 pupils left Flamingo Primary School, 7580 pupils remained in school. How many pupils were there in Flamingo Primary School at first?

Ans: _____

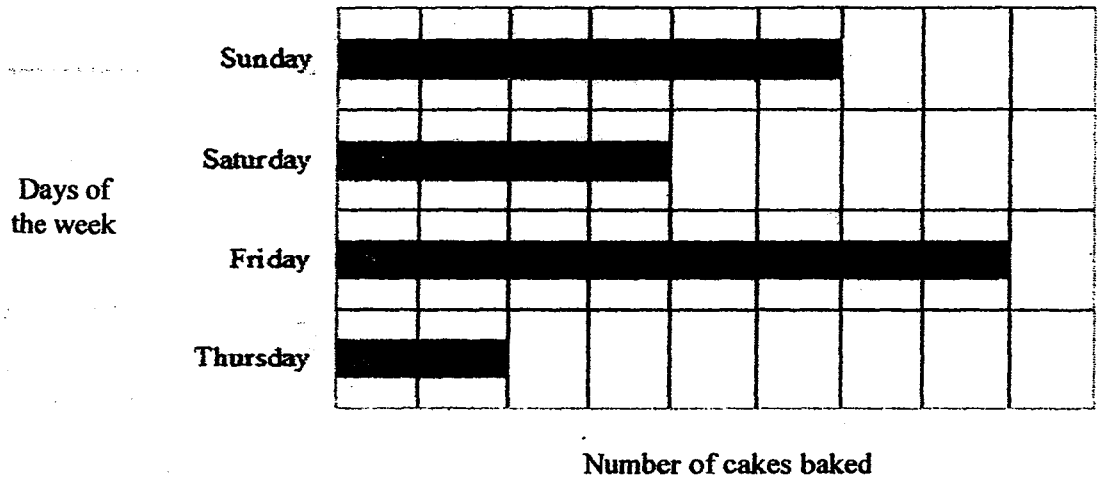
---

26. A shop was having promotion for cupcakes. For every 4 cupcakes bought, 1 cupcake would be given free. Mrs Chow paid for 24 cupcakes. How many **free** cupcakes would she have in all?

Mouth-watering Cupcakes Promotion!	
	
Buy 4 cupcakes	Get 1 cupcake free!

Ans: _____

27. The graph below shows the number of cakes baked by a baker for four days.



The baker baked 144 cakes on Friday. How many cakes did he bake on Saturday?

Ans: _____

---

28. Kheng Meng fell ill and visited a doctor. The doctor gave him some tablets and instructed him to take them every 4 hours. Kheng Meng took his first tablet of the day at 6.45a.m. At what time should he take his third tablet?

Ans: _____ p.m.

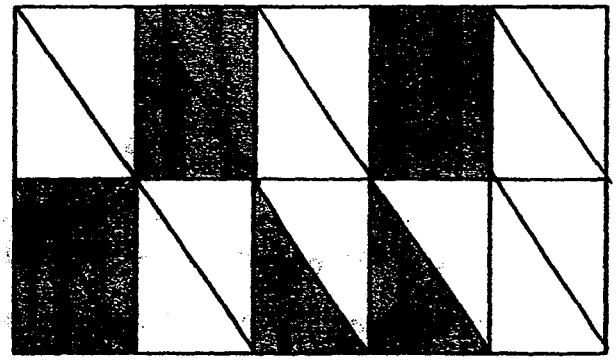
---

29. Julia saved $456 in April. She saved $152 more in April than in May. After spending $98 on a new handbag in May, how much money had Julia left in May?

Ans: $ _____

---

30. The figure below is made up of identical rectangles. What fraction of the figure is shaded? Give your answer in the simplest form.



Ans: _____

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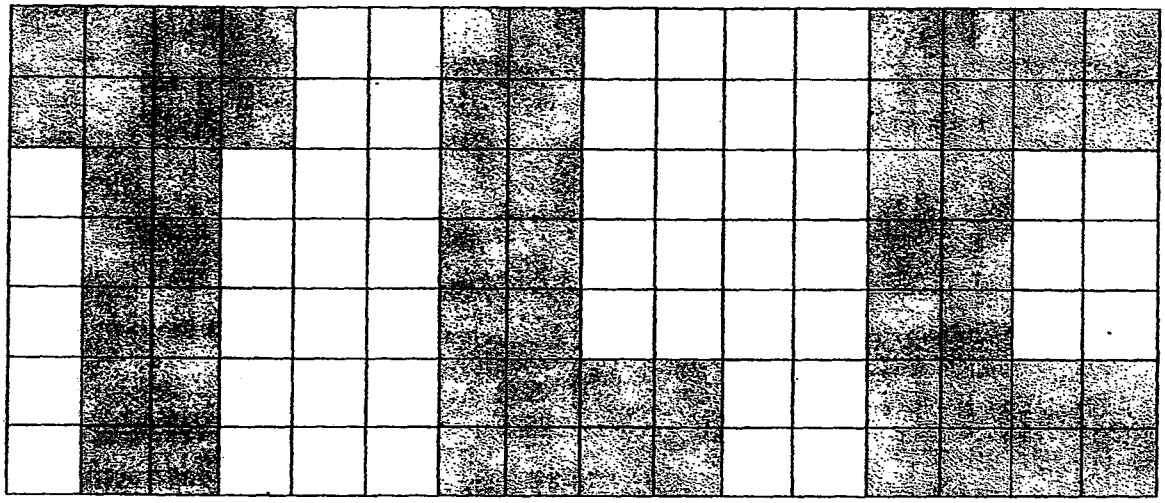
31. Study the figures given below.

Figure T Figure L Figure C



Which of these 2 figures have the same area?

Ans: Figure _____ and Figure _____

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32. I am a 3-digit number. The digit in my tens place is the greatest 1-digit number. The digits in my ones and hundreds places are the same. The sum of all my digits is 17. What 3-digit number am I?

Ans: _____

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33. Jeremy spent a total of $780 on a mobile phone and a notebook. The notebook cost 3 times as much as the mobile phone. How much did the mobile phone cost?

Ans: $ _____

---

34. Loraine saved $999. She saved $658 less than Don. How much did the 2 children save in all?

Ans: $ _____

---

35. Rafiqah had a roll of ribbon 500 cm long. She used 386 cm of it to tie some boxes. Then, she cut the rest of the ribbon into 6 equal pieces. What was the length of each piece of the ribbon?

Ans: _____ cm

---

36. The total mass of Hafizah and Jackie is 142 kg. Hafizah is 26 kg heavier than Jackie. What is Jackie's mass?

Ans: _____ kg

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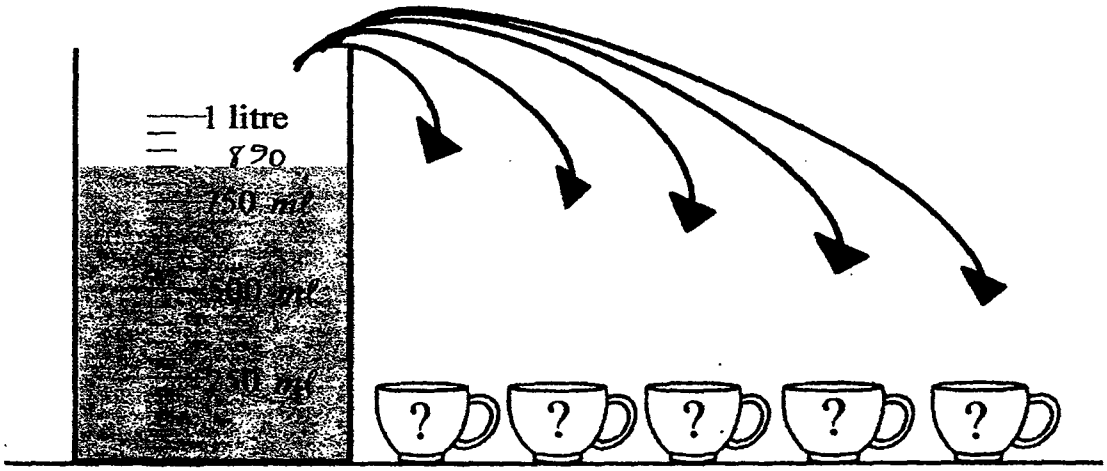
37. Alison poured the water from the beaker equally into 5 similar cups as shown below. What is the volume of water in each cup?



Ans: _____ *mℓ*

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38. Geraldine, Aldrich and Xiling shared a cake. Geraldine $\frac{2}{9}$ ate of the cake. Aldrich ate a greater portion of the cake than Xiling. These 3 children finished the whole cake. What was the **greatest** fraction of the cake Xiling could have eaten? Give your answer in the simplest form.

Ans: _____

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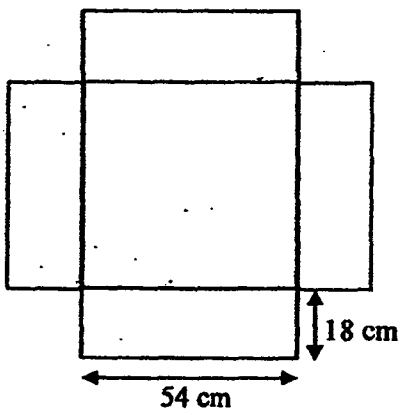
39. The figure below is made up of 4 identical rectangles and a square. Find the perimeter of the figure.



Ans: _____ cm

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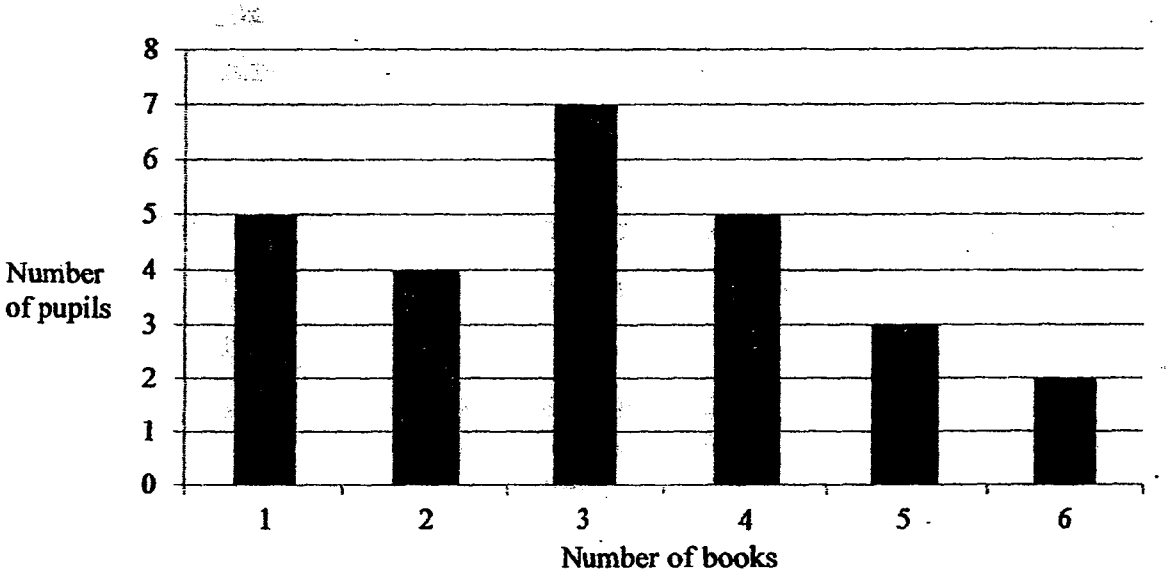
40. The graph below shows the number of books borrowed from Bedok Regional Library by a class of pupils.



There were 37 pupils in the class. How many pupils did **not** borrow any books?

Ans: _____

Section C

For questions 41 to 46, show your working clearly in the space provided for each question 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. (20 marks)

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41. Jeanie bought a dress and a pair of shoes. She paid the cashier $100. How much change did she receive?

GJL Departmental Store GST Reg No. ABCD Receipt	
Shoes	$38.85
Dress	$55.90

Ans: _____ [3 marks]

---

42. A total of 16 cars and motorcycles are at a carpark. There are 46 wheels altogether. How many cars are there at the carpark?

Ans: _____ [3 marks]

43. Wajid ate $\frac{1}{4}$ of a pizza. Gina ate $\frac{9}{12}$ of the same pizza.

(a) Who ate more of the pizza?

(b) How much more of the pizza was eaten?

(Express your answer in its simplest form.)

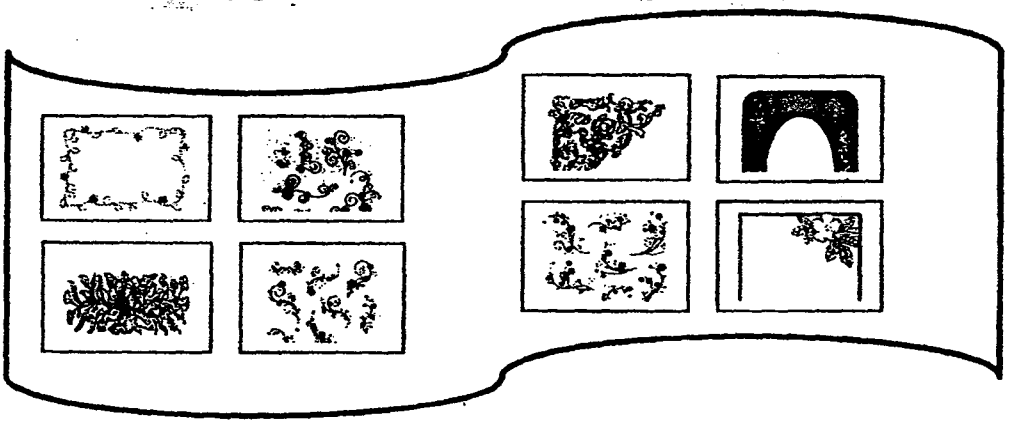
Ans: (a) _____ [1 mark]

Ans: (b) _____ [2 marks]

44. Picture cards were sold in packets of 8. Aishah bought 648 picture cards in all. Rafeek bought 24 packets of picture cards more than Aishah.

(a) How many packets of picture cards did Aishah buy?

(b) How many picture cards did Rafeek buy in all?



Ans: (a) _____ [1 mark]

Ans: (b) _____ [2 marks]

45. Shao Qing had \$790. She donated $\frac{3}{5}$ of her money to Elderly Care Centre and the remaining amount of money to Children Care Centre.

(a) Which care centre received less money?

(b) How much money did Elderly Care Centre receive?

(c) How much money did Children Care Centre receive?

Ans: (a) _____ [1 mark]

Ans: (b) _____ [2 marks]

Ans: (c) _____ [1 mark]

46. Thomas formed Figure A below by using 6 identical rectangles.

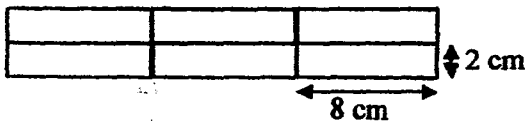


Figure A

(a) Find the area of Figure A.

Thomas then added 3 identical squares to form Figure B as shown below.

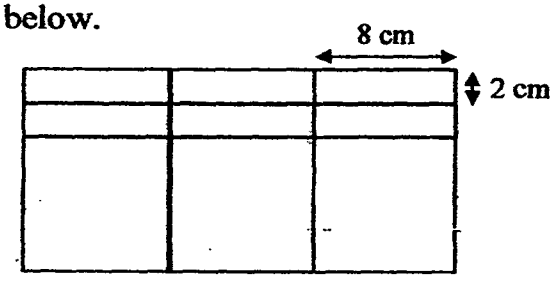


Figure B

(b) Find the area of Figure B.

Ans: (a) _____ [2 marks]

Ans: (b) _____ [2 marks]

----- End of Booklet B -----

ANSWER KEY

YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : TEMASEK PRIMARY
SUBJECT : MATHEMATICS
TERM : SA2

Booklet A

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

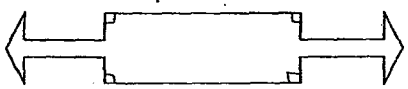
Booklet B

Q21 2534

Q22 Raisins

Q23 5:40 pm

Q24

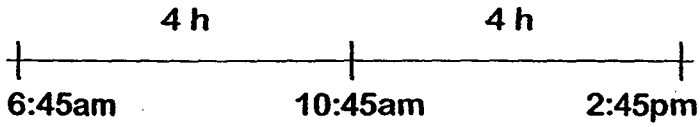


Q25 7580 + 945 ⇒ 8525 pupils

Q26 24 ÷ 4 ⇒ 6 free cupcakes

Q27 72 cakes

Q28



Kheng Meng should take his third tablet at 2:45 pm.

Q29 $456 - $152 → $206
$304 - $98 ⇒ $206 left

Q30 $\left.\begin{matrix}8\div4\\20\div4\end{matrix}\right\} \Rightarrow \frac{2}{5}$

Q31 Figure T and Figure L

Q32 494

Q33 $780 ÷ 4 ⇒ $195

Q34 Don saved → $999 + $658 = $1657
Saved in all → $1657 + $999 ⇒ $2656

Q35 500 – 386 → 114
114 ÷ 6 ⇒ 19 cm

Q36 142 – 26 → 116
116 ÷ 2 ⇒ 58 kg

Q37 850 ÷ 5 ⇒ 170 $m\ell$

Q38 $\left.\begin{matrix}3\div3\\9\div3\end{matrix}\right\} \Rightarrow \frac{1}{3}$

Q39 54 + 18 + 18 → 90
90 x 4 ⇒ 360 cm

Q40 37 – 26 ⇒ 11 pupils

Q41 $38.85 + $55.90 → $94.75
$100.00 - $94.75 ⇒ $5.25

Q42 7 cars = 28 wheels } Total :
9 motorcycles = 18 wheels } 46 wheels
Ans ⇒ 7 cars

Q43 (a) Gina ate more

(b) Pizza eaten → $\frac{9}{12} - \frac{3}{12} = \frac{6}{12} \Rightarrow \frac{1}{2}$

Q44 (a) 648 ÷ 8 ⇒ 81 packets

(b) 81 + 24 → 105
105 x 8 ⇒ 840 cards

Q45 (a) Children Care Centre

(b) 1 unit → \$790 ÷ 5 = \$158
Elderly care centre received → \$158 x 3 ⇒ \$474

(c) Children care centre received → \$158 x 2 ⇒ \$316

Q46 (a) Length → 8 x 3 = 24 cm
Breadth → 2 x 2 = 4 cm
Area → 24 x 4 ⇒ 96 cm^2

(b) Area of 1 sq → 8 x 8 = 64 cm^2
Area of 3 sq → 64 x 3 = 192 cm^2
Area of Figure B → 192 + 96 ⇒ 288 cm^2

End