HENRY PARK PRIMARY SCHOOL
2018 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 3

Name: _____ ( ) Parent's Signature

Class: Primary 3_____ _____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	13
Section B (Open-Ended)	45
Section C (Problem Sums)	22
Total	80

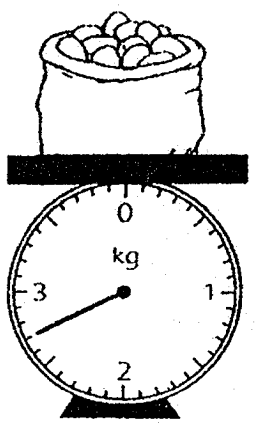
Section A: Multiple Choice Questions (13 marks)

Questions **1** to **5** carry 1 mark each. Questions **6** to **9** carry 2 marks each.
Choose the correct answer and write its number in the brackets provided.
You are required to shade the correct oval of your answer (1, 2, 3 or 4) in the Optical Answer Sheet (OAS) provided.

1. Which of the following has the **smallest** value?

(1) 8×4
(2) 7×7
(3) 9×3 ( )
(4) 6×9

2.



What is the mass of the bag of potatoes shown above?

(1) 3300 g
(2) 2700 g
(3) 700 g ( )
(4) 270 g

3. Which of the following is **not** an equivalent fraction of $\frac{1}{4}$?

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

(2) $\frac{4}{12}$

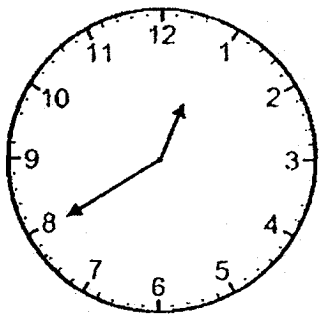
(3) $\frac{6}{24}$

(4) $\frac{8}{32}$

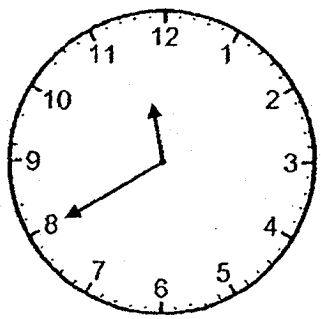
( )

4. Which of the following clocks shows 20 minutes to 12?

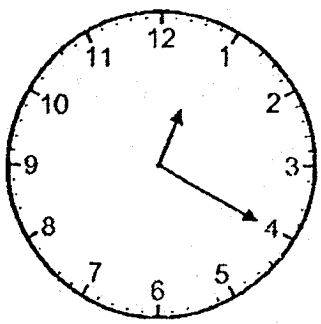
(1)



(2)



(3)



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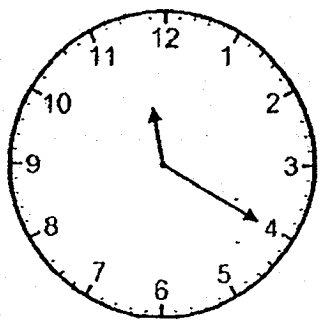
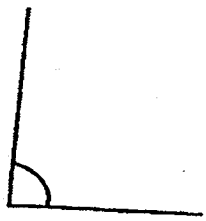


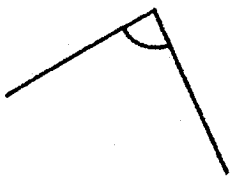
( )

5. Which of the following marked angles is greater than right angle?

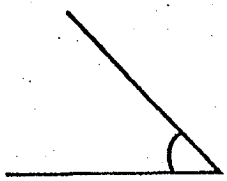
(1)



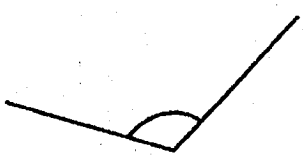
(2)



(3)



(4)



( )

6. Jacob has 438 stickers. Rachel has 197 fewer stickers than Jacob.
How many stickers does Rachel have?

(1) 635
(2) 361
(3) 341
(4) 241

( )

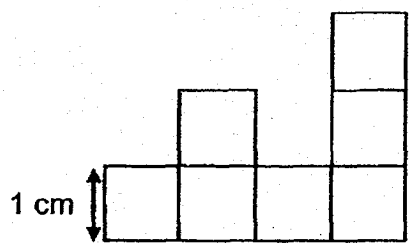
7. In which column can the number 76 be found?

Column A	Column B	Column C	Column D
4	8	12	16
20	24	28	32
36	40	44	48
...	...	...	...

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

8. What is the difference between 3982 and 6000?
(1) 2018
(2) 2128
(3) 3982
(4) 9982 ( )

9. The figure below is made up of seven squares of side 1 cm.
What is the perimeter of the figure?



(1) 7 cm
(2) 14 cm
(3) 16 cm
(4) 22 cm ( )

(Go on to Section B)

Section B: Open-Ended Questions (45 marks)

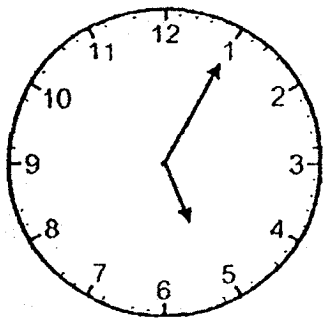
Questions **10** to **14** carry 1 mark each. Write your answers in the boxes provided.
For questions which require units, give your answers in the units stated.

10. Express $\frac{3}{9}$ in its simplest form.

11. Express 3080 ml in litres and millilitres.

_____ ℓ _____ ml

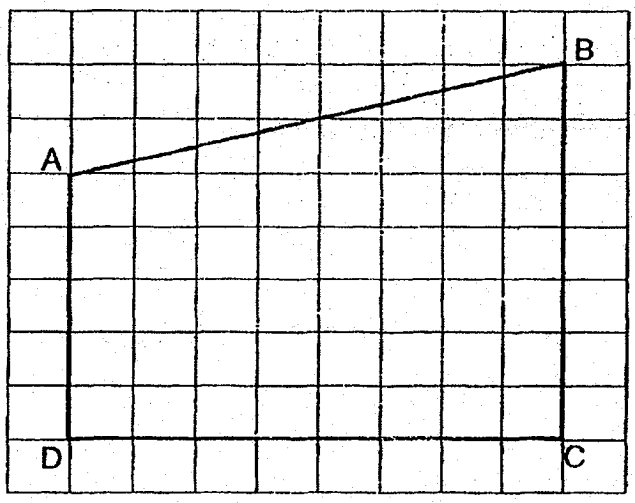
12. Sally started doing her homework at the time shown on the clock.
It took her 2 h 30 min to finish her homework.
What time did she finish doing her homework?



p.m.

13. How many 20-cent coins are needed to make $6?

14. Name a pair of parallel lines shown in the figure below.



_____ // _____

Questions **15** to **34** 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.

15. Find the sum of 7 hundreds and 52 tens.

16. What is the quotient and remainder when 398 is divided by 7?

R

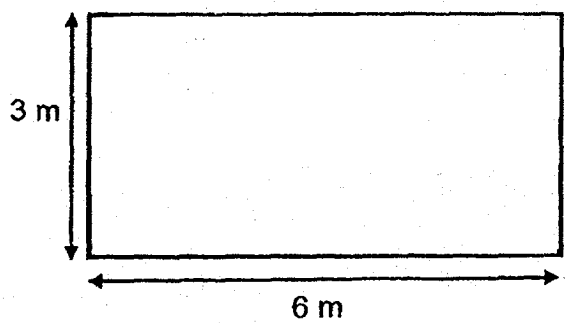
17. Use the following digits to form the greatest 4-digit even number.
Each digit can only be used once.

9	3	6	4

18. Faizal had 48 stickers. Meena had 6 times as many stickers as Faizal. How many more stickers did Meena have than Faizal?

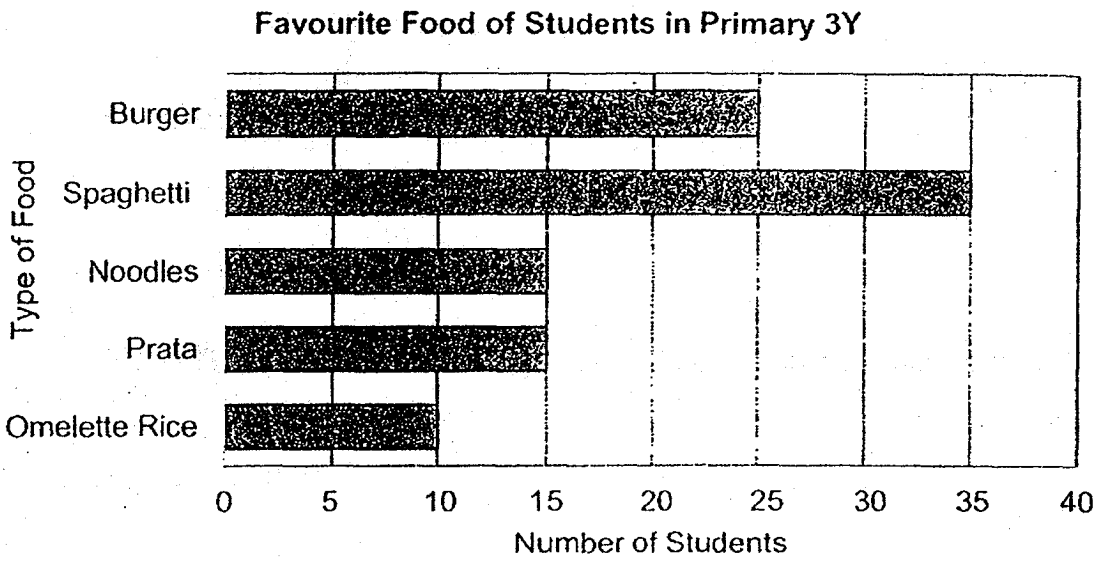
19. Find the difference between $\frac{2}{3}$ and $\frac{1}{6}$. Give your answer in the simplest form.

20. The length of a pool is 6 m. Its breadth is 3 m. What is the area of the pool?



m^2

21. The bar graph below shows the favourite food of the students in Primary 3Y.



(a) What is the most popular food among the students in Primary 3Y?

(b) How many more students like **burger** than omelette rice?

22. Look at the number pattern shown below.

What is the missing number in the box?

5167	?	4967	4867	4767	4667

23. There were 1086 men at a furniture exhibition. There were 389 more women than men at the furniture exhibition. How many men and women were at the furniture exhibition altogether?

24. A box has 249 red buttons. There are 8 times as many blue buttons as red buttons. What is the total number of red and blue buttons in the box altogether?

25. Each statement below is either true or false or not possible to tell. For each statement, put a tick (✓) in the correct column.

Students from Primary 3P donated money to some old folk's homes. Each student donated $6. There were fewer than 35 students in Primary 3P.

Statement	True	False	Not possible to tell
(a) The total amount of money collected from the students in Primary 3P was more than $180.			
(b) The total amount of money collected by Primary 3P from the donation drive can be shared equally by 3 different old folk's homes.			

26. An egg seller had some eggs. 228 of them were rotten and he threw them away. He then bought 495 more eggs. In the end he had 1085 eggs altogether. How many eggs did he have at first?

27. Ming bought a t-shirt and 2 identical pairs of shorts for $60. Each t-shirt cost twice as much as each pair of shorts. How much did he pay for each pair of shorts?

$

28. Arrange the fractions in order, beginning with the smallest.

$$\frac{5}{6}, \quad \frac{2}{5}, \quad \frac{1}{2}$$

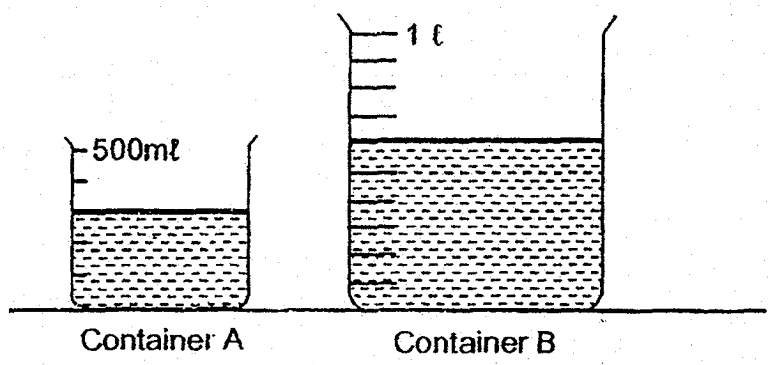
_____ , _____ , _____

smallest

29. What is the missing number in the box?

$$\frac{\boxed{?}}{4} - \frac{1}{12} = \frac{2}{3}$$

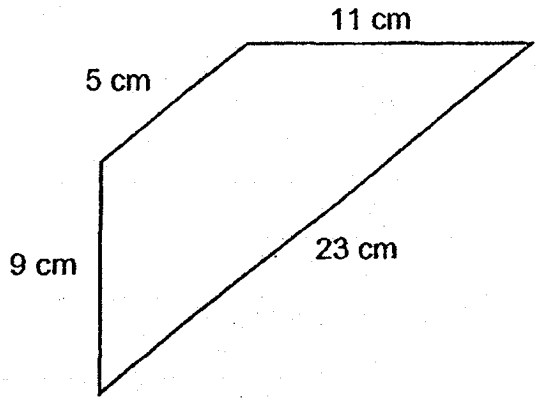
30. Meiling poured all the water in her water bottle into containers A and B without spilling. The amount of water in containers A and B is shown below.



How much water was there in Meiling's water bottle at first?

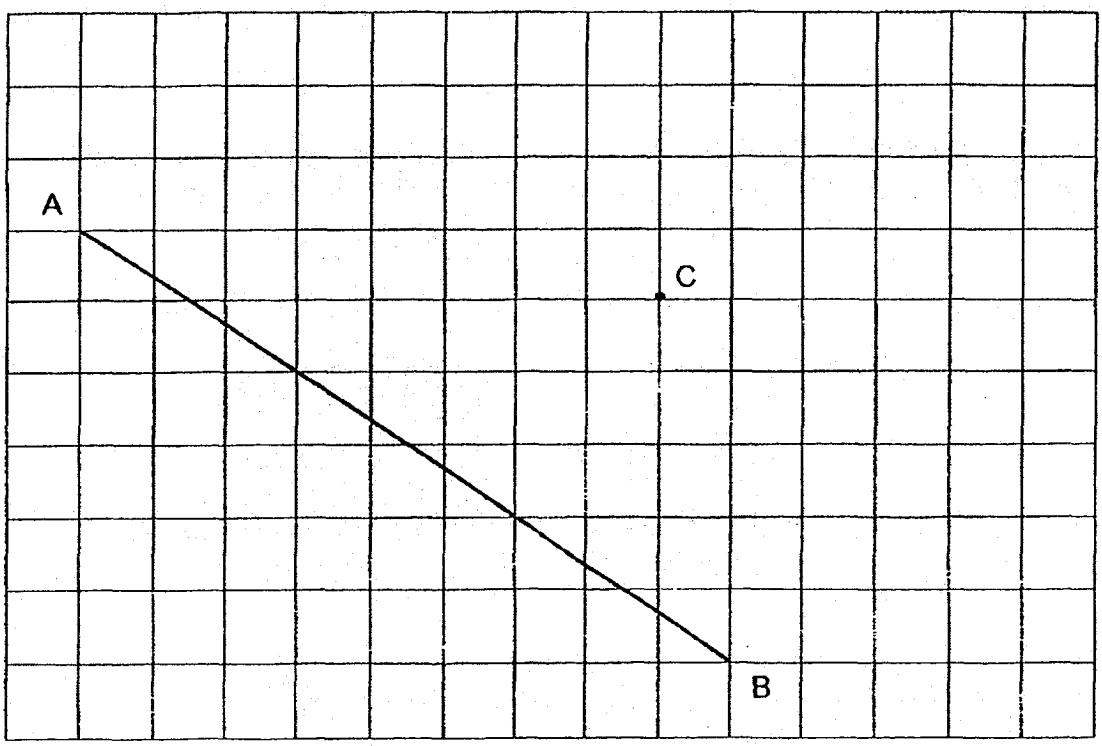
ml

31. Find the perimeter of the figure shown below.



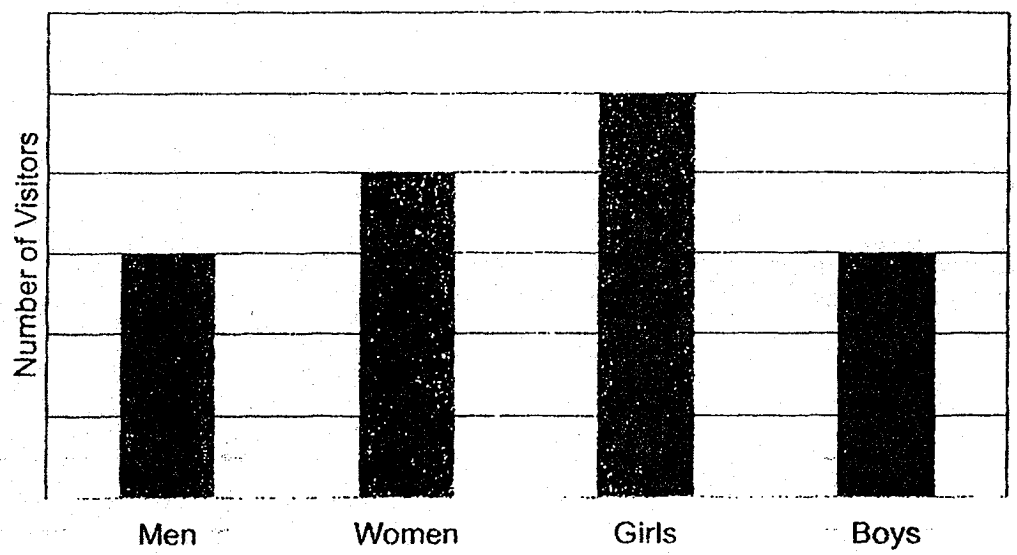
cm

32. AB is a straight line. Draw a line perpendicular to line AB through point C.



33. The sum of two numbers is 4385. One of the numbers is 497 smaller than the other number. What is the smaller number?

34. The graph below shows the number of visitors at the library on Monday.



Given that 27 boys visited the library on Monday, what was the total number of visitors who went to the library on Monday?

Section C: Problem Sums (22 marks)

Read the problem sums carefully before solving it. Show your working and write your word statements clearly. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

35. Ahmad had 992 stickers at first.
He had 4 times as many stickers as Samantha.

(a) How many stickers did Samantha have? [2m]

Working

(b) Samantha then gave 129 stickers to Ahmad.
How many stickers did Ahmad in the end? [2m]

36. At first, there were a total of 1498 black cups and white cups in a box.
214 cups were broken during delivery and were removed from the box.
In the end, there were three times as many white cups as black cups in the box.

(a) How many cups were not broken? [2m]

Working

(b) How many black cups were there in the box in the end? [2m]

37. Sandra left her house for work at 6.55 a.m.

(a) Sandra's brother left the house for work 45 minutes later than Sandra. What time did her brother leave the house for work? [2m]

Working

(b) Sandra reached her workplace and started work at 7.45 a.m. She left her workplace for lunch at 12.30 p.m. How long had she worked before she left for lunch? [2m]

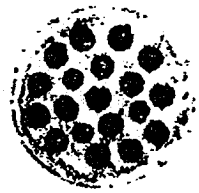
38. Gabriel bought a new storybook. Every day, he reads only 8 pages of the storybook.

(a) How many days will Gabriel take to finish reading 152 pages of the storybook? [2m]

Working

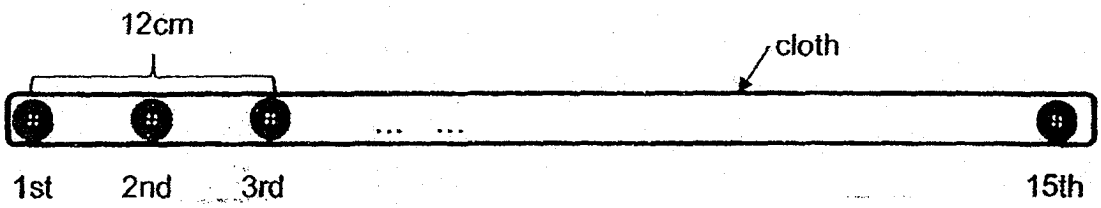
(b) Given that Gabriel started reading the storybook on Wednesday, on which day of the week will he finish reading these 152 pages of the storybook? [2m]

39. Cindy went to ABC restaurant. She bought two different items from the menu as shown below. She gave the cashier $50 and received $16.25 as change. Which two items did Cindy buy? [3m]

ABC RESTAURANT MENU			
			
A plate of spaghetti $12.95	A plate of French fries $8.90	A regular pizza $20.80	A cupcake $6.45

Working

40. Buttons are arranged neatly on a long piece of cloth as shown below. All the buttons are placed at an equal distance apart.



The distance between the first button and the third button is 12 cm. What is the distance between the second button and the fifteenth button? [3m]

Working

- END OF PAPER -

Setters: Ms Siti Fasihah, Ms Rajesheela, Mrs Heng En Oi

EXAM PAPER 2018 (P3)

SCHOOL : HENRY PARK

SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
3	2	2	2	4	4	3	1	3

10) 1/3

11) 3 L 80 ml

12) 7.35 p.m.

13) 30

14) AD// BC

15) 1220

16) 56 R 6

17) 9634

18) 240

19) ½

20) 18 m2

21) a)Spaghetti b)15

22) 5607

23) 2561

24) 2241

25) a)Not b)True

26) 818

27) $15

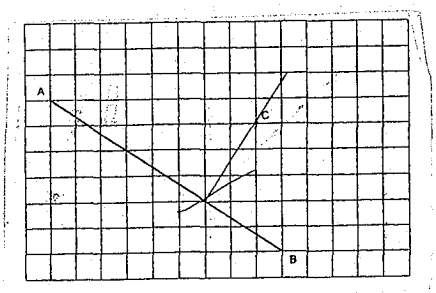
28) 2/5 , ½ , 5/6

29) 3

30) 900ml

31) 48 cm

32



33) 4385 – 497 = 3888

3888 ÷ 2 = 1944

34) 135

35) a)992 ÷ 4 = 248

b)992 + 129 = 1121

36) a)1498 – 214 = 1284

b) 128 ÷ 4 = 321

37) a)7.40 a.m.

b)15 min + 30 min = 45 min

38) a)152 ÷ 8 = 19

b)He will finish on Sunday

39) $50.00 – $16.25 = $33.75

$12.95 + $20.80 = $33.75

40) 3 – 2 = 1

12cm ÷ 2 = 6 cm

15 – 2 = 13

13 x 6 cm = 78 cm