PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 3
MATHEMATICS PAPER

27 OCTOBER 2015

Name: _____

Form Class / Register No. : 3R_____ / _____

Banded Class / Register No. : 3M_____ / _____

Total time:1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. For Section A, shade your answers on the Optical Answer Sheet (OAS) provided.
6. For Section B and C, write all your answers in this booklet
7. The use of calculator is **NOT ALLOWED**.

Total Marks :	80

This booklet consists of 16 printed pages, excluding the cover page.

Section A: Multiple Choice Questions

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. In 1809, what is the value of the digit 8?

   (1) 8×1

   (2) 8×10

   (3) 8×100

   (4) 8×1000 ( )

2. What is the sum of 81 hundreds and 6 tens?

   (1) 87

   (2) 816

   (3) 8106

   (4) 8160 ( )

3. Find the product of 58 and 8.

   (1) 146

   (2) 348

   (3) 232

   (4) 464

4. What is the missing number in the blank?

   $35 \times 4 = 7 \times$ _____

   (1) 20

   (2) 39

   (3) 46

   (4) 140 ( )

5. After spending $13.90 on a pair of shoes, Janice had $26.40 left.
How much money did she have at first?

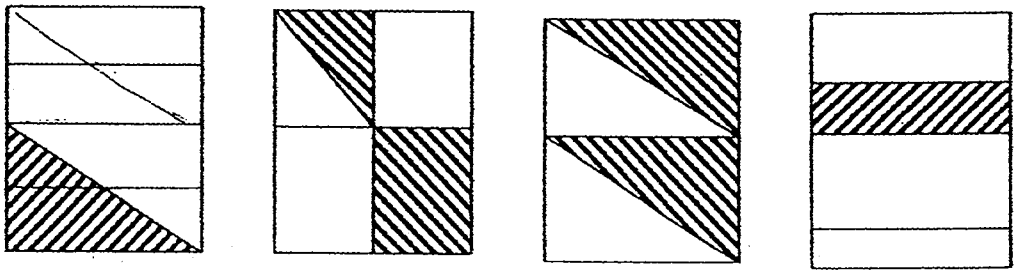
(1) $12.50
(2) $30.30
(3) $39.30
(4) $40.30 ( )

6. Which box below shows the correct unit for each measurement?

A	B	C	D
Length - km Mass - ℓ Volume - kg	Length - ℓ Mass - km Volume - kg	Length - km Mass - kg Volume - ℓ	Length - kg Mass - km Volume - ℓ

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

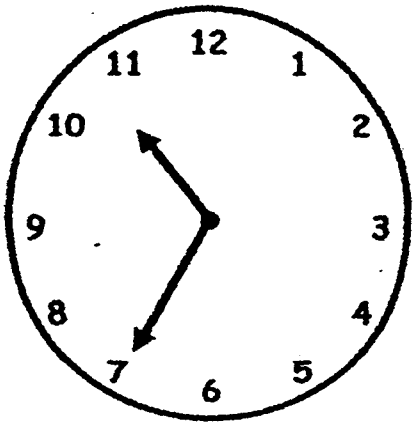
7. Which one of the following shows $\frac{1}{4}$ of the figure shaded?



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

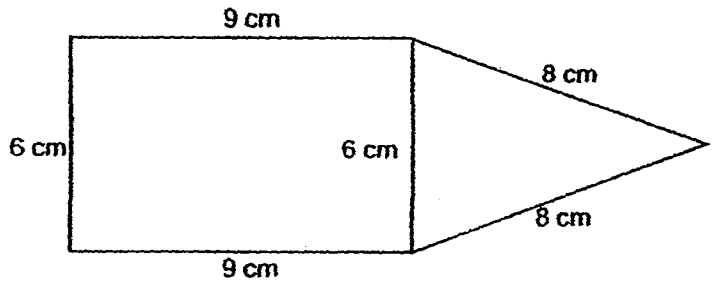
( )

8. The clock shown below is 10 minutes slow.
What is the actual time?



(1) 10.35 a.m.
(2) 10.45 a.m.
(3) 11.25 a.m.
(4) 11.45 a.m. ( )

9. The figure below shows a rectangle and a triangle.
Find the perimeter of the figure.



(1) 30 cm
(2) 40 cm
(3) 46 cm
(4) 52 cm ( )

10. The sum of two numbers is 2900. The first number is 1343.
What is the difference between the two numbers?

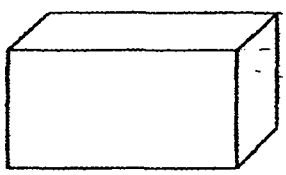
(1) 107
(2) 214
(3) 1557
(4) 4243

( )

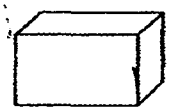
11. There are two numbers.
The first number is thrice the second number.
If the difference between the two numbers is 18,
what is the sum of these two numbers?

(1) 9
(2) 27
(3) 36
(4) 54 ( )

12. Tank A can hold 4 times as much water as Tank B.
If Tank B has a capacity of 500 ml,
how much more water can Tank A hold than Tank B?



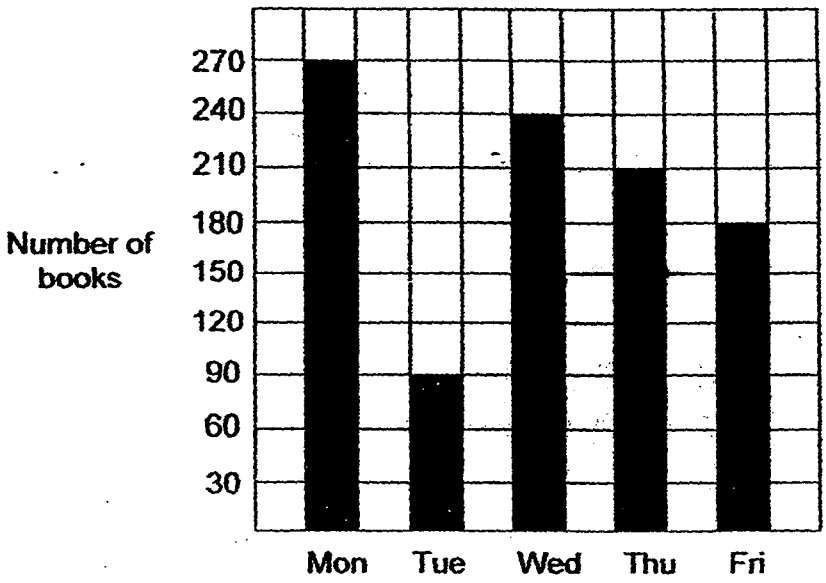
Tank A



Tank B

(1) 496 ml
(2) 504 ml
(3) 1500 ml
(4) 2000 ml ( )

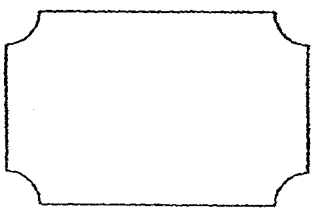
13. The graph below shows the number of books some children borrowed from the library over 5 days.



What is the total number of books borrowed from Monday to Wednesday?

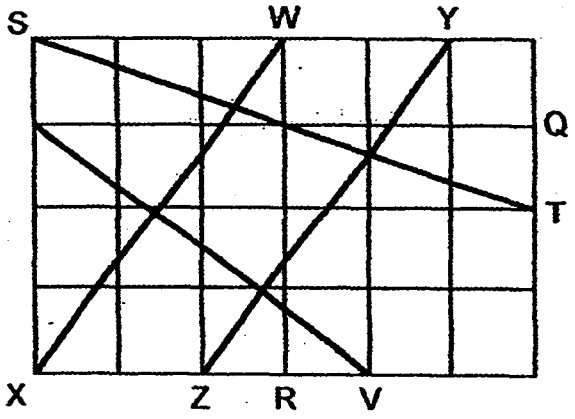
(1) 240
(2) 270
(3) 600
(4) 990 ( )

14. How many right angles are there inside the figure below?



(1) 0
(2) 4
(3) 8
(4) 12 ( )

15. Study the lines below carefully.



Which line is parallel to YZ?

(1) QR
(2) ST
(3) UV
(4) WX

( )

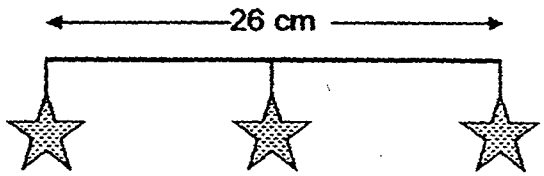
Section B: (15 x 2 = 30 marks)
Solve each of the following problems.
Show all your working and statements clearly.
Write your answers in the spaces provided.

16. Arrange the following numbers in order. Begin with the greatest.

4231	4132	4312	4213

Ans: _____, _____, _____, _____

17. The picture below shows a section of a party decoration.
All the stars are placed equal distance apart.



The distance between the first star and the third star is 26 cm.
What is the length between the first star and the sixth star?

Ans: _____ cm

18. Jane has 408 cookies.
She packs as many as possible equally into 9 tins and had some cookies left.
What is the number of cookies left?

Ans: _____

19. Ian has 36 red cars.

He has 7 times as many blue cars as red cars.

How many cars does he have altogether?

Ans: _____

20. A pizza was divided into 12 equal slices.

Rachel ate 4 slices. Tina and Chloe ate 3 slices each.

What fraction of the pizza was left?

(Give your answer in its simplest form)

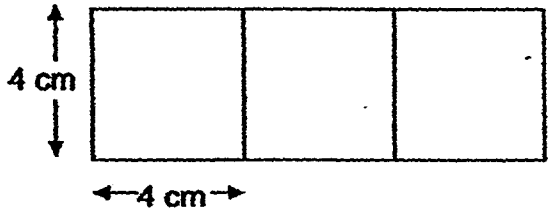
Ans: _____

21. How many angles **inside** the shaded figure below are **smaller** than a right angle?

Ans: _____

6

22. 3 identical pieces of square paper are placed side by side to form a rectangle. If each side of the 3 squares is 4 cm, what is the area of the rectangle?



Ans: _____ cm^2

23. Complete the following number pattern.

1934, 1829, 1724, _____, 1514, 1409

Ans: _____

24. What is the missing number in the box?

$$\begin{array}{r} 6\ \boxed{9}\ 5\ 4 \\ -\ 2\ \boxed{?}\ 5\ 5 \\ \hline 4\ 0\ 9\ 9 \end{array}$$

Ans: _____

25. Serene bought 3 identical storybooks and she had $7 left.
If she were to buy 4 such storybooks, she would be short of $8.
What is the cost of 1 such storybook?

Ans: $ _____

26. Mark had 60 lollipops.
He had 3 times as many lollipops as James.
James had 28 lollipops fewer than Alvin.
How many lollipops did Alvin have?

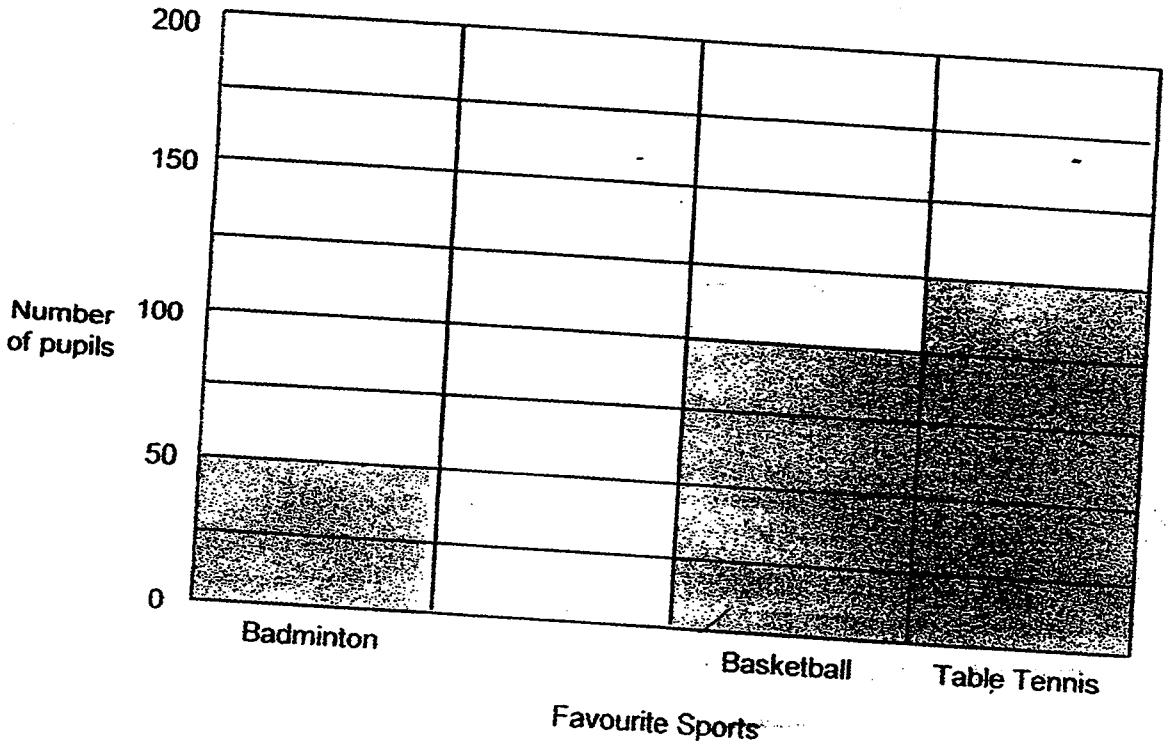
Ans: _____

27. Natalie is 156 cm tall.
Jass is 25 cm shorter than Natalie.
Fiona is 18 cm taller than Jass.
How tall is Fiona?

Ans: _____ cm

6

28. The graph below shows the number of pupils in Primary 3 who voted for their favourite sport.

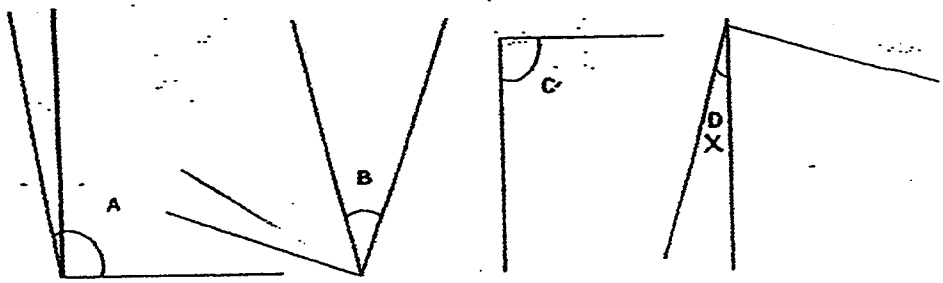


There are 450 Primary 3 pupils. How many pupils voted Swimming as their favourite sport? **Shade** the correct number of boxes to complete the bar graph.

29. Jenny took 25 minutes to bake a cake.
At 5.20 p.m., she had baked 2 cakes.
At what time did she start baking the cakes?

Ans: _____ p.m.

30. Which one of the following angles is greater than a right angle?



Ans: _____

2

Section C: (5 × 4 = 20 marks)

Solve each of the following problems. Show all your working and statements clearly. Write your answers in the spaces provided.

Working

31. Claire bought some balloons.

$\frac{1}{2}$ of the balloons were red in colour.

$\frac{1}{5}$ of the balloons were yellow and the rest were blue.

a) What fraction of all the balloons were red and yellow?

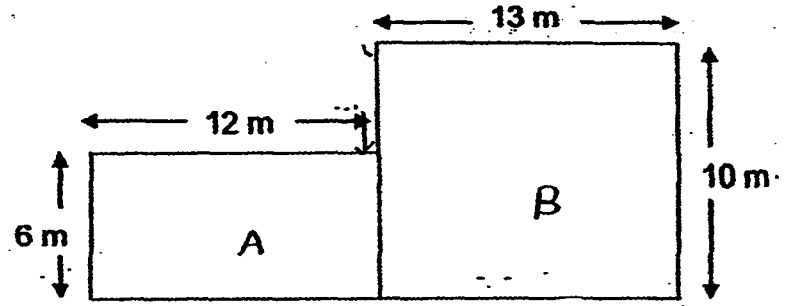
b) What fraction of the balloons was blue?

Ans: a) _____ [2]

b) _____ [2]

4

32. The figure below is made up of two rectangles.



a) Find the perimeter of the figure.

b) Find the area of the figure.

Working

Ans: a) _____ [2]

b) _____ [2]

4

33. There are 5840 people in a concert.
948 are children. There are 352 more women than children.
The rest are men.

(a) How many women are there?

(b) How many men are there?

Working

Ans: a)_____[2]

b)_____[2]

34. Mrs Lee baked 600 egg tarts. She packed 8 egg tarts into each box.
She sold every box for $5.

(a) How many boxes of tarts are there?

(b) How much money did she get after she had sold all the egg tarts?

Ans: a)_____[2]

b)_____[2]

8

Working

35. Luke spent $96 on 3 toy robots and 3 game sets.
Each game set cost $10 more than each toy robot.
How much would a toy robot and a game set cost altogether?

Ans: _____ [4]

4

End of paper
Check your answers again.

EXAM PAPER 2015
LEVEL : PRIMARY 3
SCHOOL : PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	4	1	4	3	1	2	2	2
Q11	Q12	Q13	Q14	Q15					
3	3	3	1	4					

Q16. 4312 (greatest), 4231, 4213, 4132

Q17. 65cm → 26÷2=13, 13x5=65

Q18. 3 cookies

Q19. 288 cars → 36x7=252, 252+36=288

Q20. $\frac{1}{6}$ → 12-4-3-3=2, $\frac{2}{12}=\frac{1}{6}$

Q21. 7

Q22. $48cm^2$ → 4cmx3=12cm, 12cmx4cm=$48cm^2$

Q23. 1619 → 1724-105=1619

Q24. 8

Q25. $15

Q26. 48

Q27. 149cm

Q28. ***Shade 7 boxes under <Swimming>***

Q29. 4.30pm

Q30. A

Q31. a) $\frac{7}{10}$ of all the balloons were red and yellow balloons.
→ Red: $\frac{1}{2}=\frac{5}{10}$, Yellow: $\frac{1}{5}=\frac{2}{10}$, Total: $\frac{5}{10}+\frac{2}{10}=\frac{7}{10}$

b) $\frac{3}{10}$ of the balloons were blue.
→ $1-\frac{7}{10}=\frac{3}{10}$

Q32. a) The perimeter of the figure is 70m. → 10m-6m=4m, 12+6+12+13+10+13+4= 70m

b) The area of the figure is 202m^2.→ 12mx6m=72, 13mx10m=130, 130+72=202

Q33. a) There are 1300 women. → 948+352=1300

b) There were 3592 men. → 1300+948=2248, 5840-2248=3592

Q34. a) There are 75 boxes of tarts. → 600÷8=75

b) She had $375. → 75x$5=$375

Q35. A toy robot and a game set cost $32. → $96÷3=$32

THE END