

**SECOND SEMESTRAL EXAMINATION
2016**

**PRIMARY 3
MATHEMATICS**

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total: / 100

Name: _____ ()

Class: Primary 3 ()

Date: _____

Any query on marks awarded should be raised by **4th November 2016**.
We seek your understanding in this matter as any delay in the
confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

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

Section A

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

(Total: 40 marks)

1. There are _____ in 9114.

- (1) 90 hundreds, 11 tens and 4 ones
- (2) 90 hundreds, 11 hundreds and 4 ones
- (3) 90 thousands, 11 tens and 4 ones
- (4) 90 thousands, 11 hundreds and 4 ones

2. Which set of numbers below are arranged from the smallest to the greatest?

- | | |
|----------------------|----------------------|
| (1) 8811, 8181, 8118 | (2) 8811, 8118, 8181 |
| (3) 8118, 8181, 8811 | (4) 8118, 8811, 8181 |

3. Find the sum of 6903 and 1660.

- | | |
|----------|----------|
| (1) 7069 | (2) 7563 |
| (3) 8509 | (4) 8563 |

4. $984 \div 8 =$

- | | |
|---------|---------|
| (1) 110 | (2) 118 |
| (3) 123 | (4) 992 |

5. $\$19.35 + \$1.80 =$

- | | |
|-------------|-------------|
| (1) \$20.15 | (2) \$21.10 |
| (3) \$21.15 | (4) \$37.35 |

6. Express 4 ℓ in ml.

(1) 4000 ml

(2) 400 ml

(3) 40 ml

(4) 4 ml

7. Which one of the following fractions is equivalent to $\frac{1}{3}$?

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

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

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

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

8. What is $\frac{8}{10}$ in its simplest form?

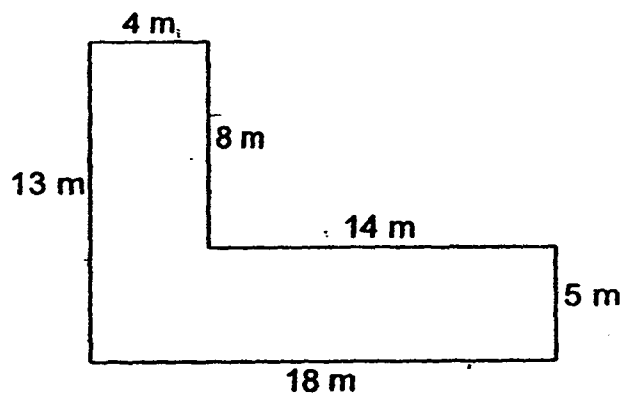
(1) $\frac{2}{5}$

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

(3) $\frac{6}{8}$

(4) $\frac{10}{12}$

9. Find the perimeter of the figure below.



(1) 49 m

(2) 62 m

(3) 67 m

(4) 72 m

10. $6000 + 500 - 40 = 3040 + \boxed{}$

(1) 3060

(2) 3420

(3) 3500

(4) 3520

11. The sum of 2 numbers is 5930.
The greater number is 3490.
What is the smaller number?

(1) 9420

(2) 2560

(3) 2540

(4) 2440

12. Andrea bought 26 cookies.
Chandra bought 7 times as many cookies as Andrea.
How many cookies did Chandra buy?

(1) 175

(2) 176

(3) 182

(4) 188

13. Bryan had a box containing 712 darts.
He gave the darts equally to his 9 friends.
How many darts were left over in the box?

(1) 1

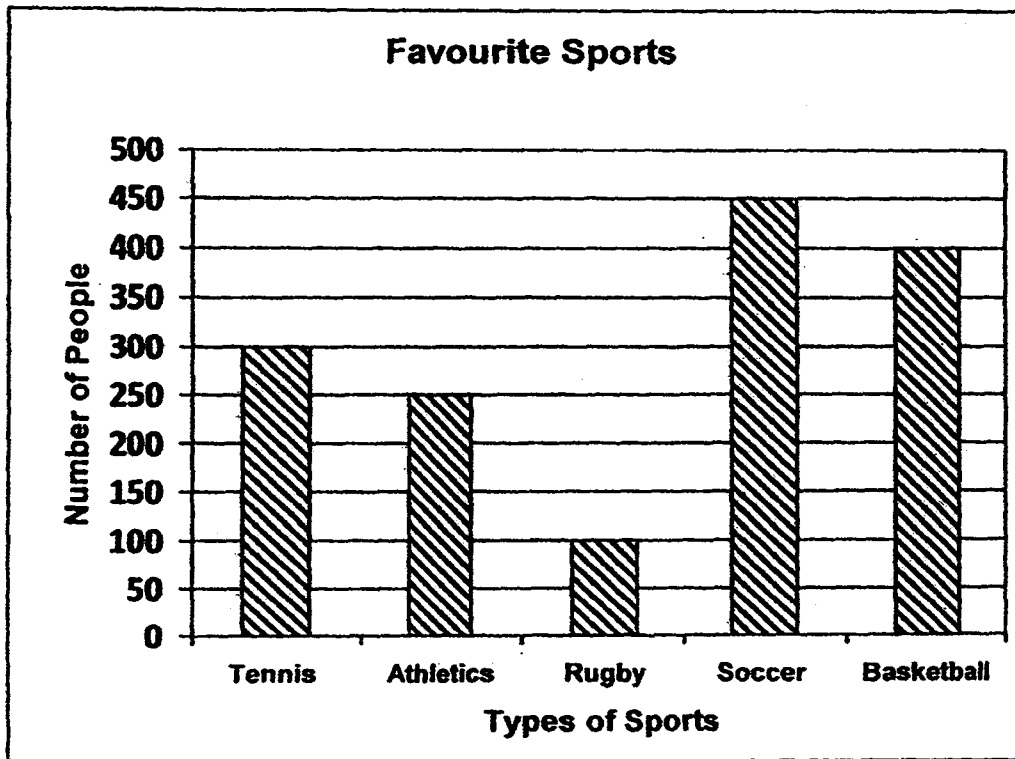
(2) 2

(3) 3

(4) 4

Study the bar graph below carefully and answer Questions 14 and 15.

The bar graph below shows the number of people who have chosen their favourite sport in a survey.



14. How many more people chose basketball than rugby as their favourite sport?

- | | |
|---------|---------|
| (1) 100 | (2) 250 |
| (3) 300 | (4) 400 |

15. A total of 750 people chose _____ and _____ as their favourite sport.

- | | |
|---------------------------|---------------------------|
| (1) Tennis and Basketball | (2) Soccer and Basketball |
| (3) Tennis and Athletics | (4) Soccer and Tennis |

16. ~~There were 2500 pupils in a school.~~
678 pupils went out for the National Day rehearsal and the rest of them remained in school.
Of those pupils that remained in school, 789 of them were boys.
How many girls remained in school?

(1)	1033	(2)	1043
(3)	1822	(4)	2033

17. Esther made 48 paper stars.
Faiza made 8 times as many paper stars as Esther.
Gurmit made 10 times as many paper stars as Esther.
How many paper stars did Faiza and Gurmit make altogether?

(1)	764	(2)	856
(3)	864	(4)	912

18. Hitomi bought 477 stalks of sunflowers.
She bundled the stalks of sunflowers into groups of 7.
How many bundles of sunflowers were there?

(1)	78	(2)	71
(3)	69	(4)	68

19. John's rope is 330 cm.
His rope is 120 cm longer than Sarah's rope.
What is the total length of the two ropes?

(1)	210 cm	(2)	450 cm
(3)	540 cm	(4)	780 cm

20. There are some cows and ducks at a farm.
There are thrice as many ducks as cows.
The total number of legs from the cows and ducks is 60.
How many cows are there?

(1) 5

(2) 6

(3) 7

(4) 8

Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. Marks will be awarded for relevant number equations. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

21. Write in numerals.

(a) Four thousand, one hundred and nineteen	
---	--

(b) Seven thousand, six hundred and six	
---	--

22. Study the pattern below.
Find the missing number.

3993, 4093, 4193, _____, 4393, 4493

Answer: _____

23. What is the product of 608 and 6?

Answer: _____

24. What is the missing denominator?

$$\frac{5}{6} = \frac{10}{\boxed{?}}$$

Answer: _____

25. Zunar bought a book that cost \$18.55 and a fountain pen that cost \$69.90 at a bookshop.
He received \$1.55 in change.
How much money did he give the cashier?

Answer: \$ _____

26. Ariel hiked 6022 m in a hiking event.
Shirlene hiked 1500 m more than Ariel in the same event.
What was the distance covered by Shirlene?
Give your answer in kilometres and metres.

Answer: _____ km _____ m

27. Mrs Tan had 9250 g of flour at first.
She then used 2152 g of flour and gave 1000 g of flour to her sister.
How much flour did she have left?
Give your answer in kilograms and grams.

Answer: _____ kg _____ g

28. Kanthea started painting a picture at 9.00 a.m.
She stopped painting for 45 minutes to have her lunch and continued painting until 2.30 p.m.
How long did Kanthea spend painting the picture?
Give your answer in h and min.

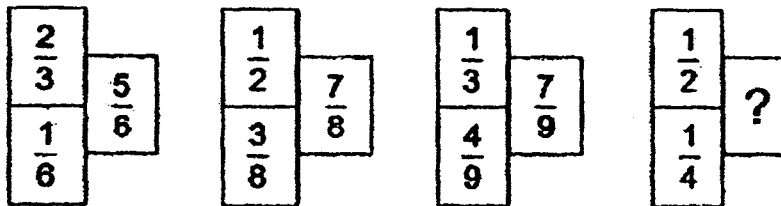
Answer: _____ h, _____ min

29. Arrange the following fractions in descending order.

$$\frac{3}{4} \quad , \quad \frac{2}{3} \quad , \quad \frac{11}{12}$$

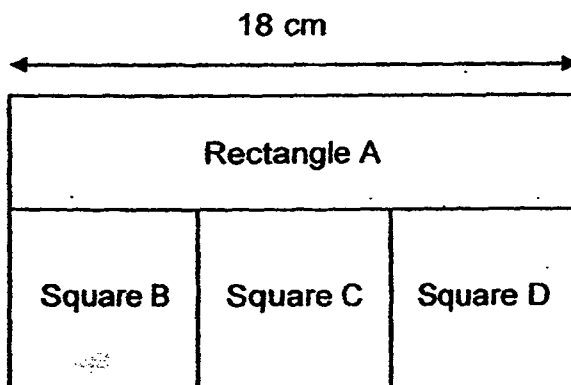
Answer: _____ , _____ , _____

30. Study the pattern below.
Find the missing fraction.



Answer: _____

31. The figure below is made up of Rectangle A and 3 identical squares.
The length of Rectangle A is 18 cm.
Find the area of Square C.



Answer: _____ cm²

32. A bus with some passengers left a bus interchange and headed towards its first stop.

At the first stop, 6 passengers got onto the bus and no passengers got off from it.

At the second stop, 15 passengers got off from the bus and no passengers got onto it.

There were 29 passengers in the bus after it left the second stop.

Find the number of passengers in the bus when it left the bus interchange.

At bus interchange

First Stop

Second Stop



Answer: _____

33. I am an even number formed with the digits 0, 4, 5 and 8.
I am between 8000 and 8400.
What number am I?

Answer: _____

34. Ryan wants to build a model of an aeroplane and a ship using ice cream sticks.

The ship model needs 3090 ice cream sticks while the aeroplane model need 221 more ice cream sticks than the ship model.

How many ice cream sticks does Ryan need to build both models?

Answer: _____

35. 237 people watched a movie over the weekend.

There were twice as many children as adults.

How many children watched the movie?

Answer: _____

36. A tank had 4330 ml of water at first.

3520 ml of water was removed from the tank.

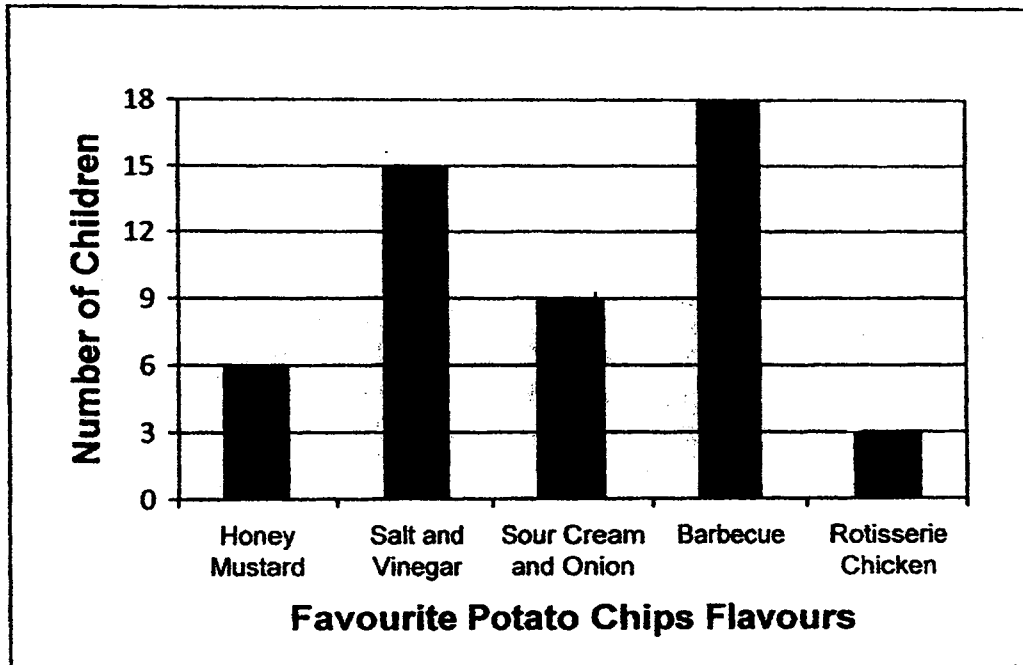
The remaining amount of water in the tank was poured equally into 6 containers.

How much water was there in each container?

Answer: _____ ml

Study the bar graph below carefully and answer Questions 37 and 38.

The bar graph below shows the number of children who like different types of potato chips flavours.



37. How many children like "Sour Cream and Onion" potato chips flavour?

Answer: _____

38. The number of children who like _____ flavour is 5 times the number of children who like Rotisserie Chicken flavour.

Answer: _____

39. The information below shows how Lina spent her time on a Monday morning.

- Lina woke up at 7.30 a.m.
- She left home for the park 40 minutes after she woke up.
- She reached the park at 8.40 a.m.
- She left the park at 10.05 a.m.

For each sentence below, put a tick (✓) in the box if the sentence is true.

Lina woke up at half past 7 in the morning.

☐

Lina left home at 8.20 a.m.

☐

Lina spent 85 min in the park.

☐

Lina left the park at 5 minutes after 10 in the morning.

☐

40. There were 40 pupils in a class.
28 of them got an A in a Mathematics test.
22 of them got an A in a Science test.
Every pupil got at least an A in the Mathematics test or Science test.
How many of them got an A in both the Mathematics test and Science test?

Answer : _____

Section C

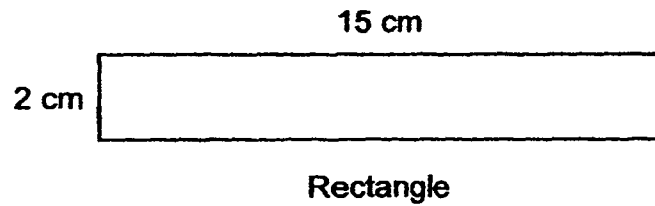
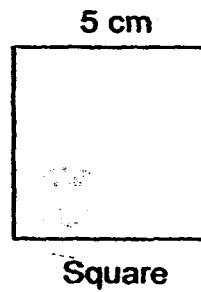
Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question. Marks will be awarded for relevant number equations and word statement.

(Total: 20 marks)

41. A car journey from Singapore to Malacca would take 3 h 10 min.
A bus journey from Singapore to Malacca would take 4 h 30 min.
(a) Natalia chose to drive instead of taking the bus, how many minutes earlier would she reach Malacca?

- (b) A bus left Singapore at 8.15 a.m.
What time would the bus reach Malacca?

42. The figures below show a square and a rectangle.



- (a) Find the perimeter of the rectangle.

- (b) Find the difference between the area of the rectangle and the area of the square.

43. There were 3440 fiction books and some non-fiction books at a book sale at first.

During the sale, 1990 fiction books were sold.

214 fewer non-fiction books than fiction books were sold.

(a) How many non-fiction books were sold during the sale?

(b) How many fiction books were left after the sale?

**44. Priyanka had a box containing brown, green and orange cards.
There were 464 green cards.**

There were 391 fewer green cards than orange cards.

(a) How many orange cards were there?

(b) Priyanka gave away all her brown cards equally to her 6 friends.

Each of her 6 friends received 95 brown cards.

How many brown cards did Priyanka have at first?

45.



Chocolate

\$5.20



Orange
juice

\$2.70



Soy
sauce

\$3.75



Tomato
ketchup

\$1.25

The picture above shows some of the items that can be found at a supermarket.

- (a) James bought 2 bars of chocolate and a carton of orange juice.
How much did he spend?

- (b) Kelly bought three different items.
She gave a fifty-dollar note to the cashier and received \$39.80 as change.
What were the three items that Kelly bought?

EXAM PAPER 2016**LEVEL : PRIMARY 3****SCHOOL : NANANG PRIMARY SCHOOL****SUBJECT : MATH****TERM : SA2**

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

Q21a. 4119 Q21b. 7606 Q22. 4293 Q23. 3648 Q24. 12**Q25. 90.00 Q26. 7km 522m Q27. 6kg 98g Q28. 4h 45min****Q29. $\frac{1}{12}, \frac{3}{4}, \frac{2}{3}$ Q30. $\frac{3}{4}$ Q31. 36 Q32. 38 passengers Q33. 8054****Q34. 6401 Q35. 158 Q36. 135 Q37. 9 children****Q38. Salt and vinegar****Q39. Lina woke up at half past 7 in the morning, Lina left the park at 5 minutes after 10 minutes in the morning.****Q40. 10 pupils****Q41. 4h 30min – 3h 10min = 80min****8.15 → 4h 30 min → 12.45pm Answer: a) 80 min b) 12.45pm****Q42. $(15 + 2) \times 2 = 34$** **15 X 2 = 30****5 X 5 = 25****30 – 25 = 5 Answer: a) 34cm b) 5cm^2** **Q43. 1900 – 214 = 1776****3400 – 1990 = 145 Answer: a) 1776 b) 1450****Q44. 464 + 391 = 855****95 X 6 = 570 Answer: a) 855 b) 570****a)
Q45. 5.20 X 2 = 10.40****10.40 + 2.70 + 13.10****b). 50 – 39.80 = 10.20****5.20 + 3.75 + 1.25 = 10.20 Answer: She bought the chocolate soy sauce and tomato ketchup.**

