NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 – 2015

PRIMARY THREE

MATHEMATICS

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the space provided.
2. Do not turn over the 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 for Questions 1 - 15.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	30	
B	30	
C	20	
Total	80	

Name : _____

Class : Pr 3 _____

Date : 29 October 2015

Duration: 1 h 45 min

Parent's Signature : _____

Section A: Multiple-Choice Questions (30 marks)

Questions 1 to 15 carry 2 marks each. For each question, four options are given. Only one of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS).

1. In 3 675, the digit '7' stands for _____.

   (1) 7
   (2) 70
   (3) 700
   (4) 7 000 ( )

2. Which of the following is equal to 4 802?

   (1) 40 hundreds + 8 tens + 2 ones
   (2) 4 thousands + 802 ones
   (3) 4 000 + 800 + 20
   (4) 4 000 + 80 + 2 ( )

3. Which one of the following is the greatest number ?

   (1) 4 892
   (2) 4 990
   (3) 4 982
   (4) 4 909 ( )

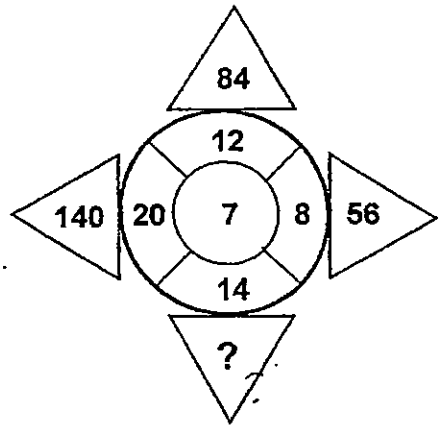
4. ☺ x ☺ = 16

   48 ÷ ☺ = ♥

   Find the value of ♥

   (1) 12
   (2) 6
   (3) 3
   (4) 4 ( )

5. Study the number pattern.
What is the missing number?



(1) 7
(2) 2
(3) 21
(4) 98 ( )

6. 68 chairs are arranged in 4 rows. The number of chairs in each row is the same. How many chairs are there in **6 rows**?

(1) 17
(2) 23
(3) 102
(4) 408 ( )

7. Which of the following is the same as 3 020 m?

(1) 3 m 2 cm
(2) 3 m 20 cm
(3) 3 km 2 m
(4) 3 km 20 m ( )

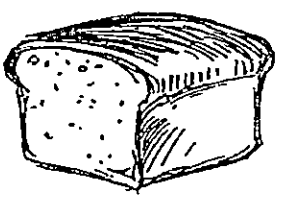
8. Mrs Salim had 2m 85cm of ribbon. She needed 22 cm of ribbon to tie a bow. How much ribbon was left if Mrs Salim used it to tie 5 bows?

(1) 110 cm
(2) 175 cm
(3) 258 cm
(4) 263 cm ( )

9. Which of the following amount of money is the <u>greatest</u> ?

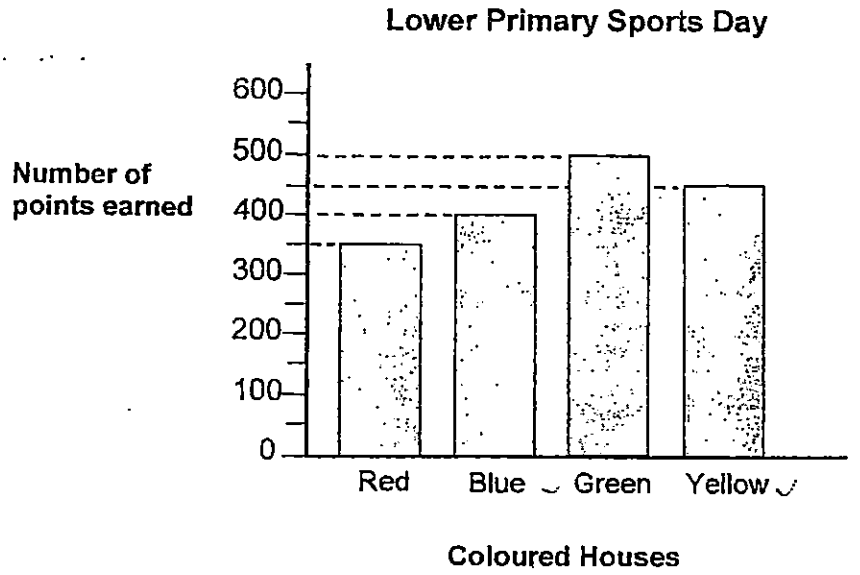
(1) 18 ten-cent coins
(2) 20 five-cent coins
(3) 5 fifty-cent coins
(4) 10 twenty-cent coins ( )

10. The mass of a loaf of bread is about _____.



(1) 6 g
(2) 600 g
(3) 6 kg
(4) 60 kg ( )

The bar graph below shows the number of points won by the different houses during the school's Lower Primary Sports Day.



11. Which of the houses won more than 350 points but less than 500 points?

(1) Red and Yellow
(2) Red and Green
(3) Blue and Green
(4) Blue and Yellow ( )

12. Which one of the following fractions is an equivalent fraction of $\frac{2}{3}$?

(1) $\frac{4}{6}$ (3) $\frac{2}{4}$

(2) $\frac{6}{8}$ (4) $\frac{4}{9}$ ( )

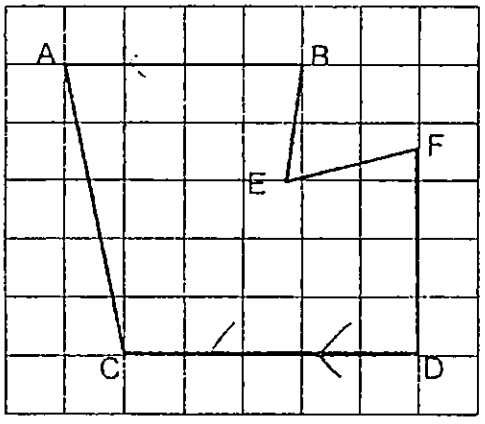
13. The table below shows the time taken by 4 pupils to complete a jigsaw puzzle.

Pupil	Time Taken
Asiah	1 h 10 min
Balah	120 min
Cailin	1 h 30 min
Danny	80 min

Who completed the jigsaw puzzle first?

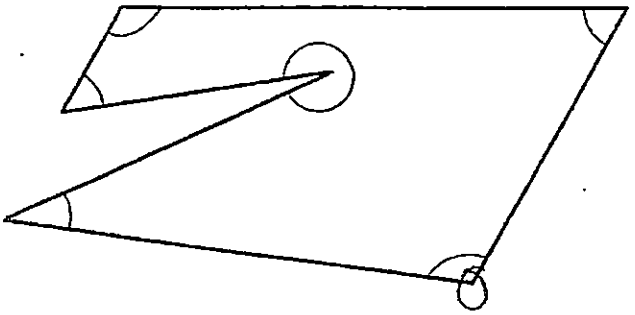
(1) Asiah
(2) Balah
(3) Cailin
(4) Danny ( )

14. In the figure below, which two lines are parallel to each other?



(1) AB and EF
(2) AB and CD
(3) FD and DC
(4) AC and CD ( )

15. How many angles **inside** the figure shown below are greater than a right angle?



(1) 5
(2) 2
(3) 3
(4) 4

( )

Section B: Short Answer Questions (30 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 35 carry 2 marks each. For each question, show your workings clearly in the space below and write your answer in the box provided. Give your answer in the unit stated.

16. Write 8 325 in **words**.

Ans: _____

17. I am a 4-digit **number** with the digits 3, 5, 6 and 8.
I am the **smallest** possible number between 5 000 and 6 000.
What number am I ? (Each digit can only be used once.)

Ans: _____

18. What is the **quotient** when 519 is divided by 7?

_____

19. The product of 41 and 5 is _____.

Ans: [ ]

20. [?] $- \frac{3}{8} = \frac{2}{8}$

What is the missing fraction in the box?

Ans: [ ]

21. Arrange these fractions in order. Begin with the <u>smallest</u> fraction.

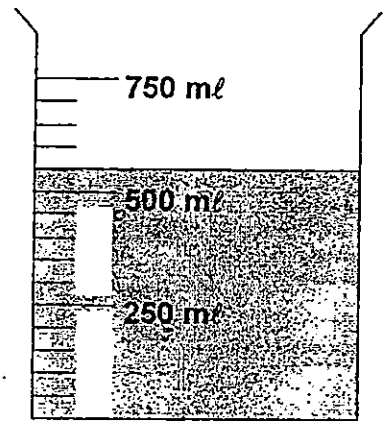
[$\frac{1}{3}$, $\frac{8}{9}$, $\frac{3}{6}$] → [ ]

smallest

22. Mrs Lee had an appointment with Dr Tan at 3.15 p.m. She was 20 minutes early. What time did Mrs Lee arrive?

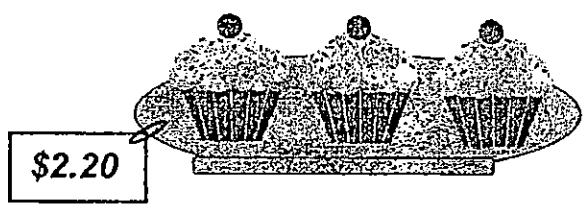
Ans: [p.m.]

23. How much water is needed to fill the beaker to a volume of 750 mℓ ?



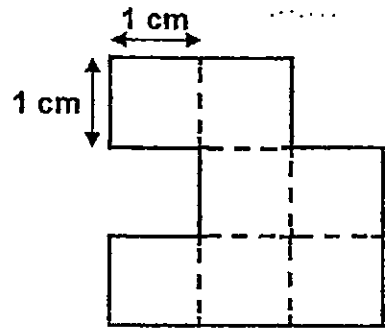
Ans: _____ mℓ

24. A tray of 3 cupcakes costs $2.20. Find the cost of 9 such cupcakes.



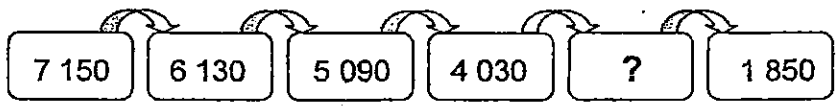
Ans: $ _____

25. The figure below is made up of 1-cm squares.
What is the perimeter of the figure? (The figure is not drawn to scale.)



Ans: _____ cm

26. Study the number pattern carefully. Then fill in the missing number.

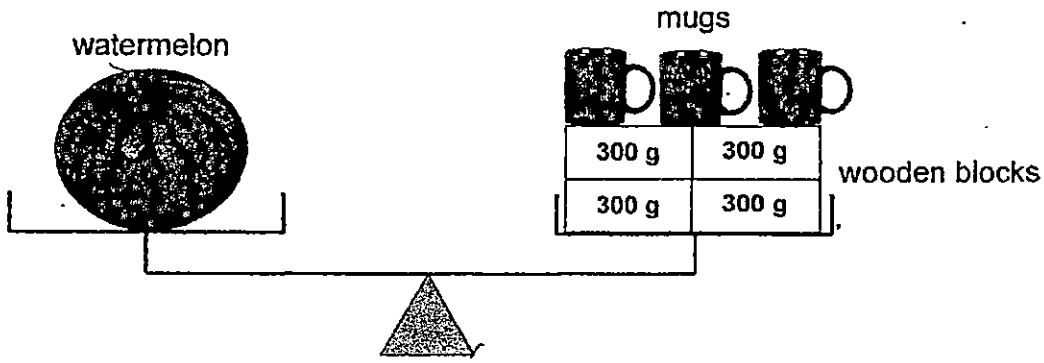


Ans: _____

27. 154 boys and 89 girls took part in a school performance.
They were arranged in **rows of 9**. How many rows were there altogether?

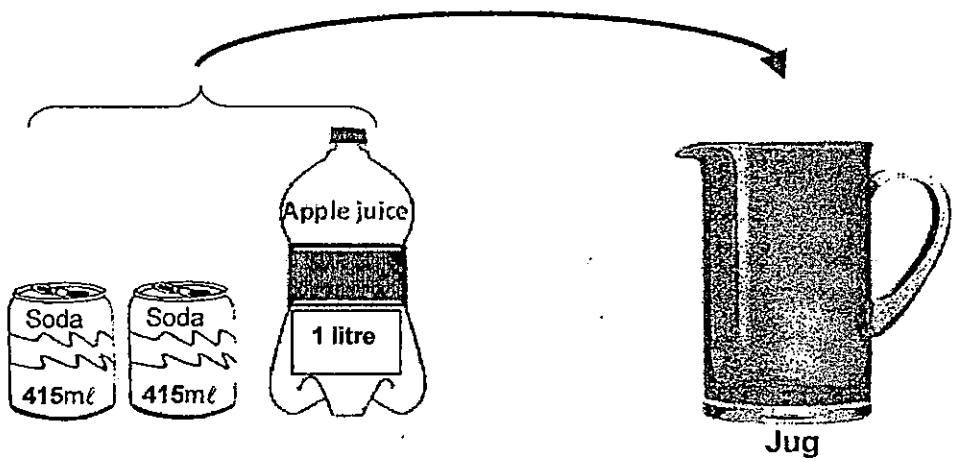
Ans: _____ rows

28. The diagram below shows a watermelon, 3 mugs of the same mass and 4 wooden blocks. The mass of the watermelon is 2 kg 190 g and the mass of each block is 300 g, what is the mass of each mug?



Ans: _____ g

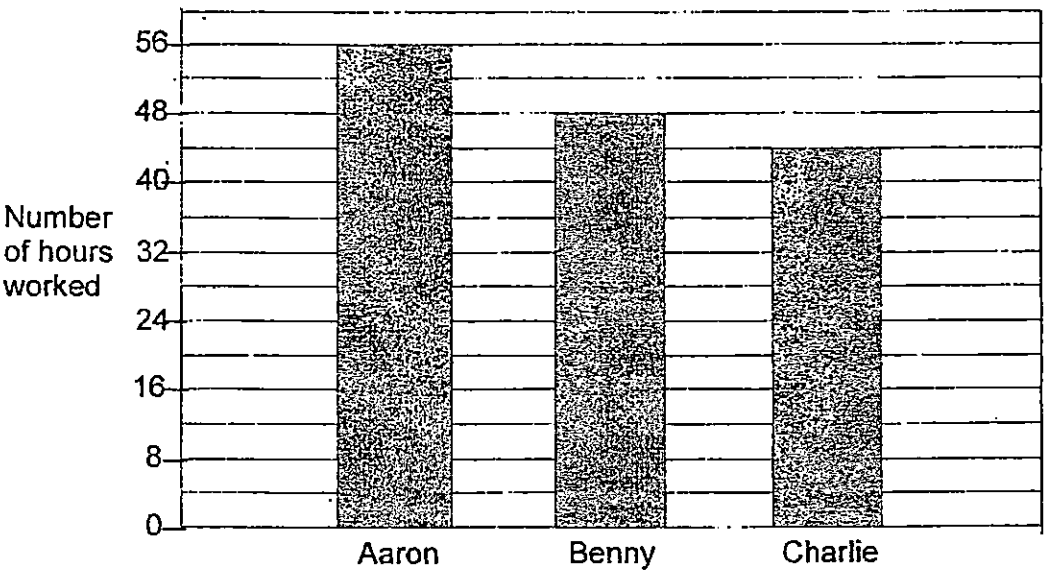
29. Mother poured two cans of soda and a bottle of apple juice into an empty jug to make a drink. What is the volume of the drink in the jug?



Ans: _____ mℓ

The graph below shows the total number of hours that Aaron, Benny and Charlie worked in a fast food restaurant from Monday to Saturday. Each of them was paid $9 per hour.

Study the graph carefully and answer Questions 30 and 31.



30. What was the difference in the number of working hours between Aaron and Charlie?

Ans: _____ hours

31. Benny worked the same number of hours from Monday to Saturday. How much money did he earn each day ?

Ans: $ _____

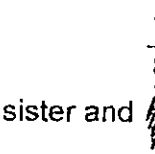
32. Samuel left his home at 6.20 a.m. to go to school. He took 10 min to cycle to the bus stop. He waited 5 min for the bus and reached his school at 7.10 a.m. How long was his bus ride?

Ans: _____ min

33. Aini has the following amount of money in her purse. She wants to change all the money to 50-cent coins. How many 50-cent coins will she get?

Ans: _____ 50-cent coins

34. Mrs Tay bought a large pizza.
She gave $\frac{1}{4}$ of the pizza to her sister and $\frac{1}{8}$ to her husband.
What fraction of the pizza was left?



_____

35. The shaded figures below are made up of 1-cm squares. Based on the figures, answer question 35.

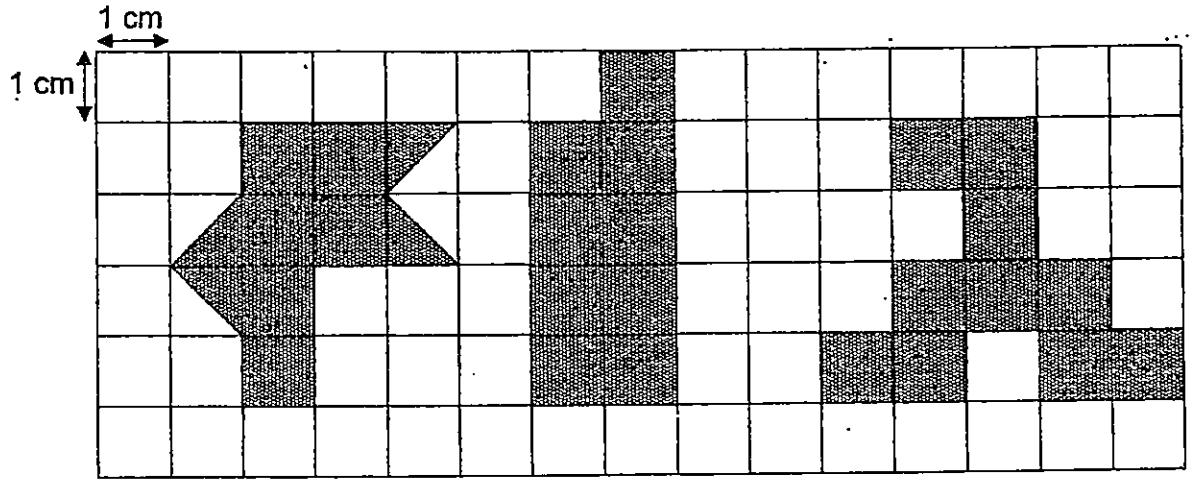


Figure A **Figure B** **Figure C**

a) Which figure has the greatest area ?

Ans: Figure _____

b) What is the area of Figure A ?

Ans: _____ cm^2

Section C: (5 x 4 marks)

Answer all the questions. All number sentences, statements and workings must be clearly shown.

36. Joanne has 1 198 beads. She has 726 fewer beads than Lisa.

a) How many beads does Lisa have?
b) How many beads do the 2 girls have altogether?

37. Mr Gopal had 279 books. He gave 15 books to each of his 8 friends.
He then packed the remaining books into a big box.
How many books did he pack into the big box?

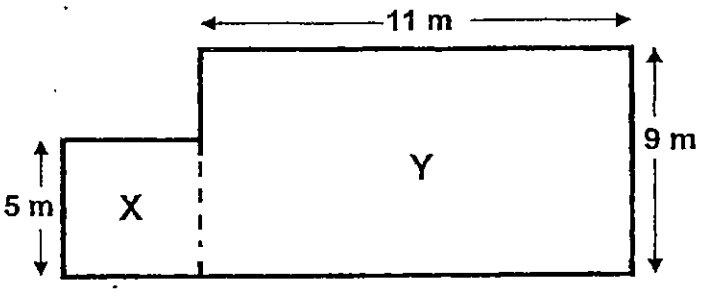
38. The capacity of a pail is 5 ℓ. The pail contained some water. Jiale poured 4 bottles of water into the pail to fill it to the brim. Each bottle contained 550 mℓ of water. How much water was in the pail <u>at first</u> ?

39. Mrs Law has some \$10-notes and \$5-notes. The difference in the total value of \$10-notes and \$5-notes is \$40. The total value of \$10-notes is \$30.

a) How many \$10-notes are there?
b) How many \$5-notes are there?

40. The figure below is made up of Square X and Rectangle Y.
(The figure is not drawn to scale.)

a) Find the area of the rectangle.
b) Find the perimeter of the figure.



End-of-paper

Check your work carefully

EXAM PAPER 2015
LEVEL : PRIMARY 3
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

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

Q16. Eight thousand, three hundred and twenty five

Q17. 5368 Q18. 74 Q19. 205 Q20. 5/8 Q21. 1/3 (smallest), $\frac{3}{6}$, $\frac{8}{9}$

Q22. 2.55pm Q23. 200ml Q24. $6.60 Q25. 14cm Q26. 2950

Q27. 27 rows → 154 + 89 = 243, 243 ÷ 7 = 27

Q28. 330 → 990 ÷ 3 = 330

Q29. 1830ml → 1000 + 830 = 1830

Q30. 12 hours Q31. $72 → 48 x 9 = 432, 432 ÷ 6 = 72

Q32. 35min Q33. 17 50 cents coins Q34. 5/8

Q35a. Figure C Q35b. 8cm²

Q36a. 1924 beads → 1198 + 726 = 1924

Q36b. 3122 beads → 1924 + 1198 = 3122

Q37. 159 books → 15 x 8 = 120, 279 – 120 = 159

Q38. 2800ml → 550 x 4 = 2200, 5000-2200=2800

Q39a. 3 $10 notes → 30 ÷ 10 = 3

Q39b. 14 $5 notes → 30+40=70, 70 ÷ 5 = 14

Q40a. 99m² → 11 x 9 = 99

Q40b. 50m → 16 x 2 = 32, 9x2 = 18, 18=32=50