



NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2 – 2014
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.
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Marks Obtained

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

Name : _____ ()

Class : Pr 3 _____

Date : 27 October 2014

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 5 861, the digit '8' stands for _____.

- (1) 8
- (2) 80
- (3) 800
- (4) 8 000

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2. 7 thousands and 95 ones is the same as _____.

- (1) 7 950
- (2) 7 905
- (3) 7 590
- (4) 7 095

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3. 2 196 is 10 tens less than _____.

- (1) 2 096
- (2) 2 186
- (3) 2 206
- (4) 2 296

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4. $\diamond \times \diamond = 9$

$72 \div \diamond = \text{flower}$

Find the value of flower

- (1) 12
- (2) 24
- (3) 3
- (4) 8

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5. I think of two numbers. When I multiply each of them by 7, the two answers are more than 30 but less than 45. What are the two numbers?

- (1) 3 and 4
- (2) 4 and 7
- (3) 5 and 6
- (4) 6 and 7

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6. Mrs Lim baked 195 chicken pies. She kept 3 chicken pies for herself and distributed the rest equally among 6 friends. How many each friend get?

- (1) 32
- (2) 33
- (3) 63
- (4) 65

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7. Which of the following amount of money is the greatest ?

- (1) 5 fifty-cent coins
- (2) 10 twenty-cent coins
- (3) 15 ten-cent coins
- (4) 25 five-cent coins

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8. Which of the following is the shortest ?

- (1) 2 m 90 cm
- (2) 209 cm
- (3) 2 009 m
- (4) 2 km 90 m

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9. Rope A is 85 cm long. It is 55 cm shorter than Rope B.
What is their **total** length?

- (1) 115 cm
- (2) 140 cm
- (3) 195 cm
- (4) 225 cm

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10. Look at the picture below. What is the mass of the pumpkin in grams?

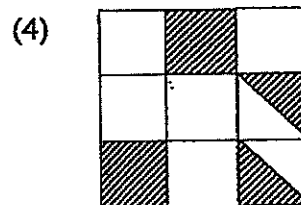
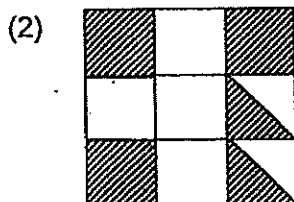
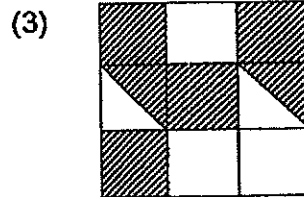
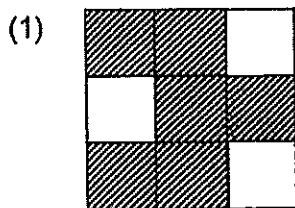


pumpkin
3kg 50g

- (1) 350 g
- (2) 3 005 g
- (3) 3 050 g
- (4) 3 500 g

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11. Which figure below shows $\frac{2}{3}$ **unshaded**?



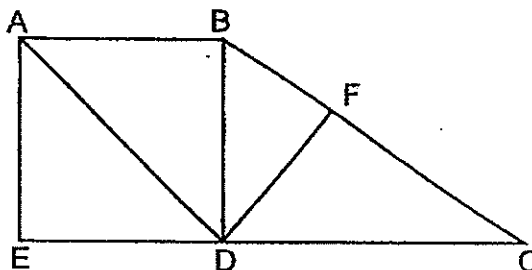
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12. Catherine completed her shopping in 2 hours 5 minutes.
Express the time taken in minutes.

- (1) 250 min
- (2) 205 min
- (3) 170 min
- (4) 125 min

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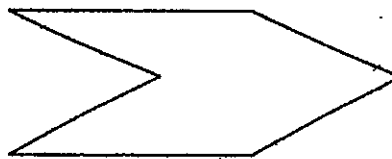
13. In the figure below, which of the following is a pair of perpendicular line?



- (1) AE and BD
- (2) BD and EC
- (3) AB and DF
- (4) BC and BD

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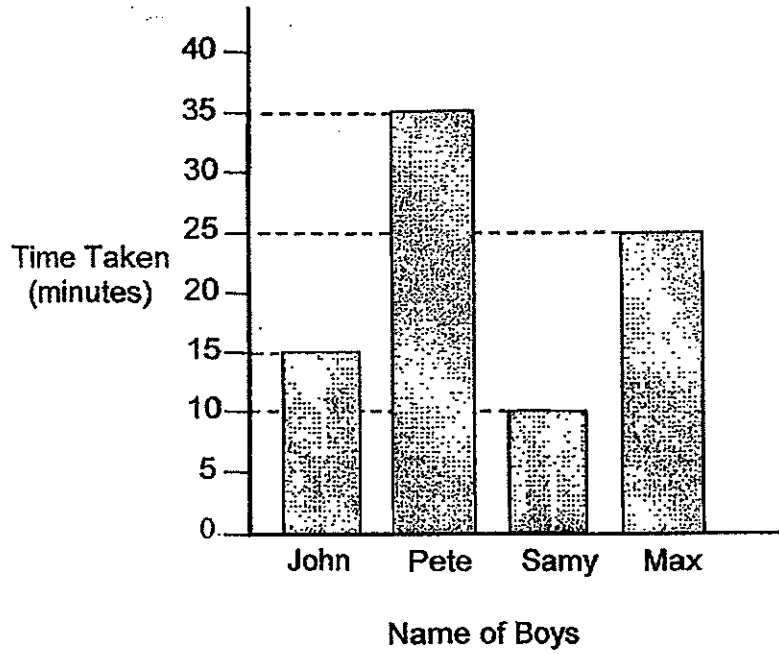
14. How many angles **inside** the figure shown below
are smaller than a right angle?



- (1) 7
- (2) 6
- (3) 3
- (4) 4

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The graph below shows the amount of time 4 boys took to complete a piece of worksheet.



15. Who was the last boy to complete the piece of worksheet?

- (1) John
- (2) Pete
- (3) Sammy
- (4) Max

()

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 5 394 in words.

Ans:

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17. Arrange these numbers in order. Begin with the greatest number.

6 927

6 729

6 972

6 792

Ans:

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Greatest

18. What is the **product** of 42 and 7 ?

Ans:

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19. How many eights are there in 112 ?

Ans:

20. Write $\frac{9}{12}$, in its simplest form.

Ans:

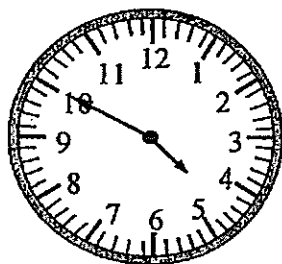
21. Arrange these fractions in order. Begin with the smallest fraction.

$$\frac{1}{2}, \frac{7}{8}, \frac{1}{4}$$



smallest

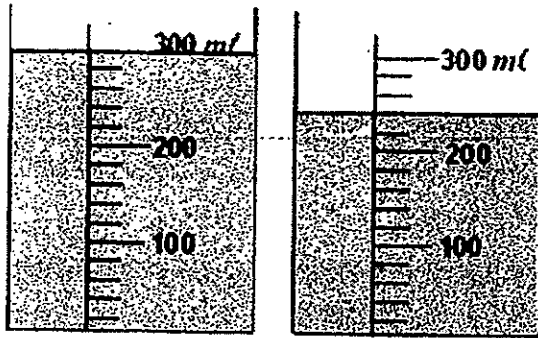
22. The clock below is 15 minutes faster than the actual time.
What is the actual time?



Ans:

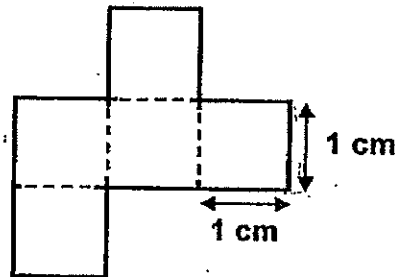
 p.m.

23. What is the total volume of water in the 2 beakers?



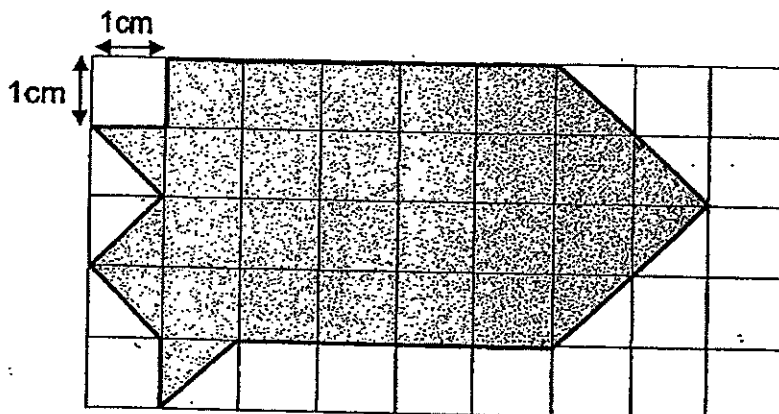
Ans: ml

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



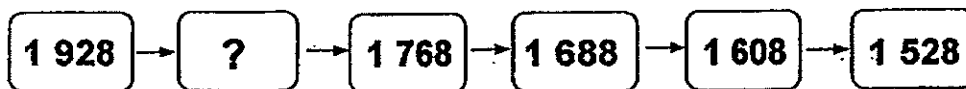
Ans: cm

25. The figure below (not drawn to scale) is made up of 1-cm squares. Find the area of the shaded figure.



Ans: cm²

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

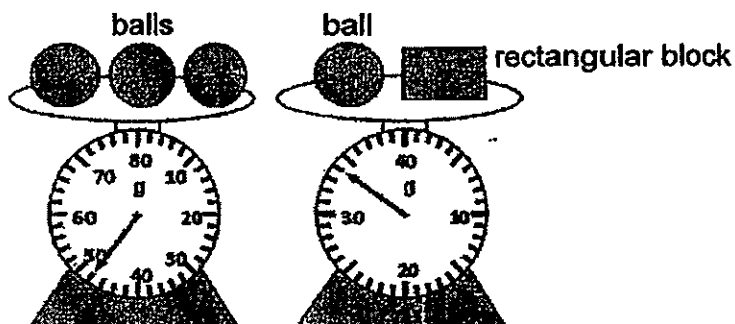


Ans:

27. There were 15 rows of chairs in an examination hall. There were 9 chairs in a row. Only 2 chairs were not occupied as there were 2 absentees. How many pupils were present for the examination on that day?

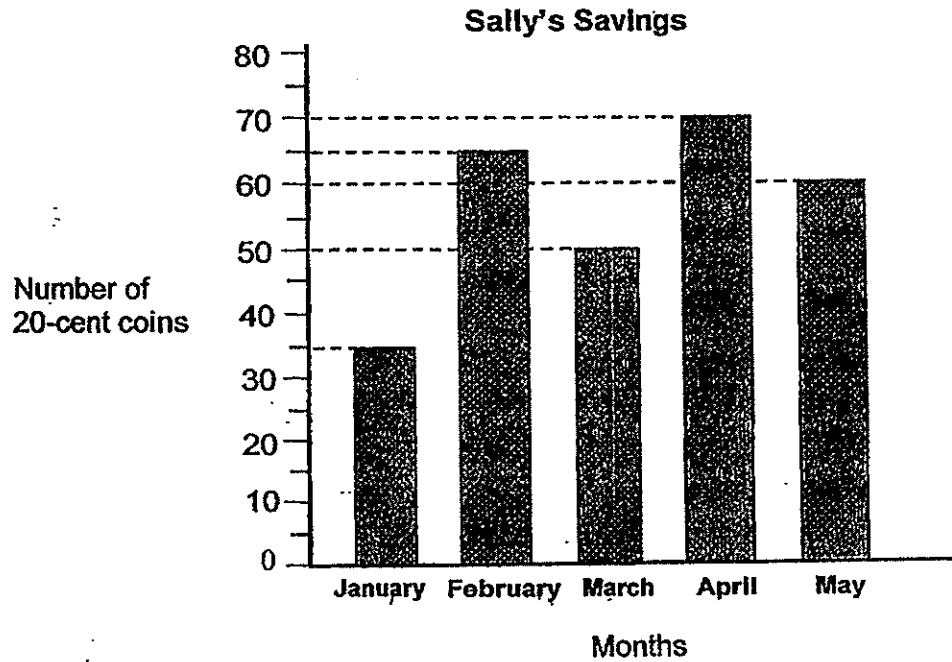
Ans: pupils

28. Study the diagram below. 4 identical balls and 1 rectangular block are placed on different weighing scales. What is the mass of the rectangular block?



Ans: g

The graph below shows the number of 20-cent coins that Sally saved in five months. Study the graph carefully and answer Questions 29 and 30.



29. In which month did Sally save twice as many 20-cent coins as in January?

Ans:

30. How much more money did Sally save in May than in March?

Ans:

31. Rachelle bought 1 pizza. She cut the pizza into 10 equal slices. She give away 8 slices. What fraction of the pizza did she give away? (Give your answer in the simplest form.)

Ans:

32. Three students worked on their Science project from 11.30 a.m. to 2.15 p.m. How long did they work on their project?

Ans:

 min

33. Mr Tan took 1h 20 min to finish marking a set of books. He finished his marking at 5 p.m. At what time did he start his marking?

Ans:

 p.m.

34. A basin contained $2\ell 700\text{ ml}$ of water. Liming used a beaker to scoop some water out of the basin. The capacity of the beaker is 300 ml . Liming scooped 2 full beakers of water from the basin, how much water was left in the basin?

Ans: ml

35. Figure A below (not drawn to scale) is made up of 6 similar squares and 2 similar rectangles. The perimeter of each square is 8 cm . What is the area of Figure A?

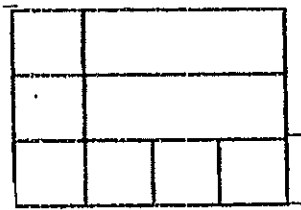


Figure A

Ans: cm^2

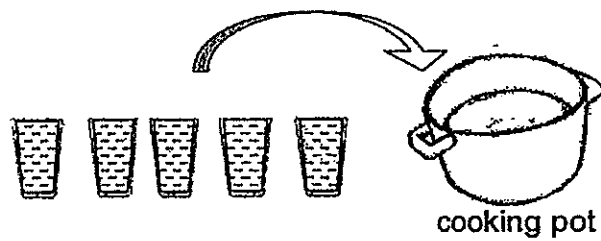
Section C: (5 x 4 marks)

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

36. Ahmad has 948 stickers. Bala has 254 fewer stickers than Ahmad.
- a) How many stickers does Bala have ?
 - b) How many stickers do the 2 boys have altogether ?
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37. Mrs Tan bakes 196 pineapple tarts. She puts all the tarts into boxes. If each box can only hold 8 tarts, what is the least number of boxes she will need to put all the tarts ?

38. Joel and Ken have \$1 230 in their savings. Joel has \$450 more than Ken. Lex has three times as much money as Ken. How much money does Lex have?

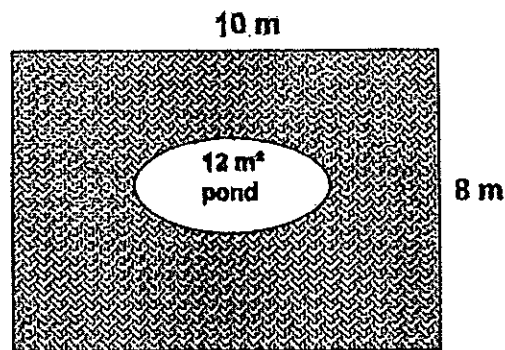
39. Lester had 520 ml of water in a cooking pot at first. He then poured 5 glasses of water into the pot and filled it to brim. Each glass contained 120 ml of water, what was the capacity of the cooking pot ?



40. Mr Teo has a rectangular garden 10 m by 8 m. A mini pond of size 12m^2 is in his garden. the rest of the garden is covered with grass.

a) If the wants to build a fence around his garden, how many metres of fence does he need?

b) Find the area of the garden that is covered with grass.



(The figure is not drawn to scale.)

End-of-paper

Check your work carefully

Year: 2014

Level: Primary 3

School: Nan Hua Primary School

Subject: Mathematics

Semester: SA2

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

Q16) Five thousand, three hundred and ninety-four

Q17) 6972, 6927, 6792, 6729

Q18) 294

Q19) 14

Q20) $\frac{3}{4}$

Q21) $\frac{1}{4}$, $\frac{1}{2}$, $\frac{7}{8}$

Q22) 4.35

Q23) 540

Q24) 12

Q25) 26

Q26) 1848

Q27) 133

Q28) 18

Q29) April

Q30) \$2.00

Q31) $\frac{4}{5}$

Q32) 2 h 45 min

Q33) 3.40

Q34) 2 l 100 ml

Q35) 48

Q36) a) No. of Bala's stickers $\rightarrow 948 - 254 = 694$

Bala has 694 stickers.

b) No. of stickers altogether $\rightarrow 948 + 694 = 1642$

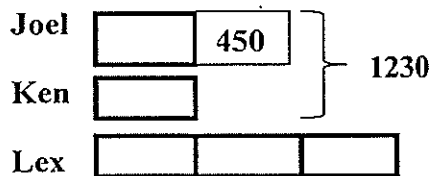
They have 1642 stickers altogether.

Q37) $196 \div 8 = 24 \text{ R } 4$

$$24 + 1 = 25$$

Mrs Tan needed 25 boxes to put all the tarts.

Q38)



$$1230 \div 2 = 615$$

$$450 \div 2 = 225$$

$$615 - 225 = 390$$

$$390 \times 3 = 1170$$

Lex has \$1170.

Q39) $120 \times 5 = 600$

$$600 + 520 = 1120$$

The capacity of the cooking pot is 1 litre 120ml

Q40)a) $10 \times 2 = 20$

$$8 \times 2 = 16$$

$$20 + 16 = 36$$

He needed 36 m of fence.

b) $10 \times 8 = 80$

$$80-12=68$$

The area of the garden covered with grass is 68 m².

