403 / SA2 / 28

NAN HUA PRIMARY SCHOOL
SEMESTRAL EXAMINATION 2 – 2015
PRIMARY 4

MATHEMATICS

Section A: 20 Multiple Choice Questions (40 marks)

Section B: 20 Open-ended Questions (40 marks)

Section C: 5 Word problems (20 marks)

Total Time for Paper: 1 H 45 MIN

INSTRUCTION TO CANDIDATES

1. Write your name and index number 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 1-20.

Marks Obtained :

Section A		/ 40
Section B		/ 40
Section C		/ 20
Total		/ 100

Name : _____ ( )

Class : 4 _____

Date : 29 October 2015 Parent's Signature : _____

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Section A: Multiple Choice Questions (20 × 2 marks)

Questions 1 to 20 carry 2 marks each.
Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS).

1. Thirty-five thousand and twenty-seven in figure is _____.

   (1) 35 270
   (2) 35 207
   (3) 35 027
   (4) 3527 ( )

2. 85 355 rounded off to the nearest hundred is _____.

   (1) 85 000
   (2) 85 300
   (3) 85 360
   (4) 85 400 ( )

3. Which of the following is a common factor of 6 and 9?

   (1) 15
   (2) 18
   (3) 3
   (4) 54 ( )

4. What is the product of 1240 and 5?

   (1) 248
   (2) 1235
   (3) 1245
   (4) 6200 ( )

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5. $3\frac{6}{7} = \frac{\square}{7}$

What is the missing number in the box?

(1) 15
(2) 18
(3) 21
(4) 27 ( )

6. How many one-sixths are there in 2 wholes?

(1) $\frac{1}{3}$
(2) 6
(3) 3
(4) 12 ( )

7. Which of the following fractions is in its simplest form?

(1) $\frac{3}{10}$
(2) $\frac{6}{9}$
(3) $\frac{2}{8}$
(4) $\frac{3}{6}$ ( )

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8. Meili had \$36 left after spending $\frac{4}{5}$ of her money on a dress. How much money did she have at first?

(1) \$18
(2) \$54
(3) \$90
(4) \$180

( )

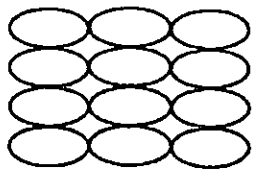
9. Express $\frac{2}{25}$ as a decimal.

(1) 0.08
(2) 0.225
(3) 0.8
(4) 2.25

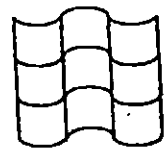
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10. Which of the following diagrams does **not** show a tessellation?

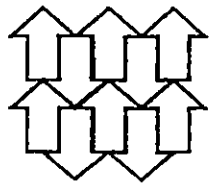
(1)



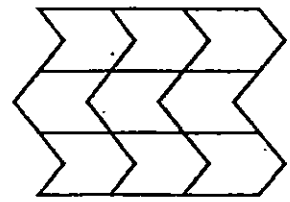
(2)



(3)



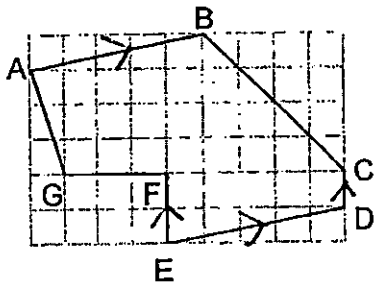
(4)



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11. Figure ABCDEFG is drawn on the square grid shown. Which one of the following statements is true?



(1) FE is parallel to CD
(2) GF is parallel to FE
(3) AB is perpendicular to ED
(4) AB is perpendicular to BC ( )

12. Ramli saves $315 a month. He saves 3 times as much as Jimmy in a month. How much does Jimmy save in a month?

(1) $75
(2) $105
(3) $525
(4) $4 725 ( )

13. How many right angles would a minute hand have moved if it moved from 2.30 p.m. to 3.15 p.m.?

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

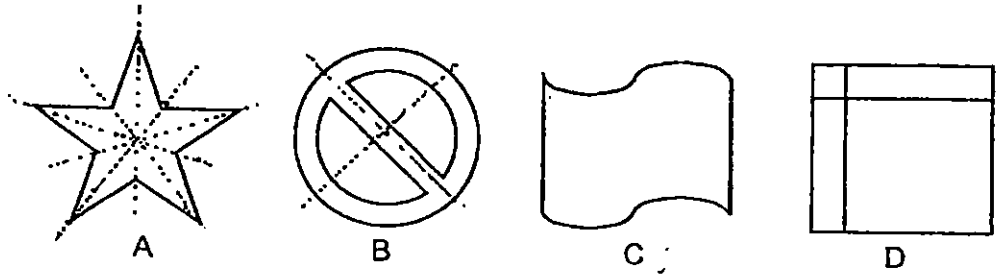
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14. Nellie went for a movie. The movie ended at 23 50.
If the movie lasted for 2 h 5 min, at what time did the movie start?

(1) 1.55 a.m.
(2) 1.55 p.m.
(3) 9.45 a.m.
(4) 9.45 p.m.

( )

15. Which of the following figures have **more than** 1 line of symmetry?



(1) A and B only
(2) A and D only.
(3) B and C only
(4) C and D only

( )

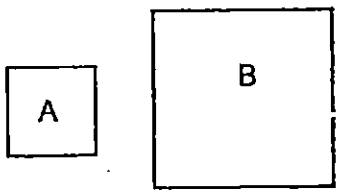
16. The total height of Jason, Lucas and Peter is 4 m 5 cm. Lucas is 53 cm taller than Peter. Jason is 7 cm shorter than Lucas. Find Jason's height.

(1) 128 cm
(2) 148 cm
(3) 155 cm
(4) 163 cm

( )

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17. The figure below shows 2 squares (not drawn to scale). The area of square B is 4 times as big as the area of square A. If square B has an area of 36 cm^2, what is the length of square A?



(1) 9 cm
(2) 12 cm
(3) 3 cm
(4) 24 cm

( )

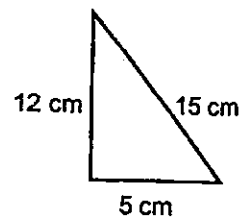
18. Mr Lim took a bus to Malacca at 12 55. He reached Malacca at 4.45 p.m. How long did Mr Lim take to travel to Malacca?

(1) 3 h 10 min
(2) 3 h 50 min
(3) 4 h 10 min
(4) 4 h 50 min

( )

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19. A piece of wire is used to bend a triangle as shown in the diagram (not drawn to scale) below. It is then straightened and used to bend a square. What is the length of the square?



(1) 8 cm
(2) 16 cm
(3) 27 cm
(4) 32 cm

( )

20. Ten potted plants are placed in a straight row at equal distance apart. The distance between the first and fourth potted plant is 6 m. What is the distance between the first and last potted plant?

(1) 13.5 m
(2) 15 m
(3) 18 m
(4) 20 m

( )

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Section B: Open-ended Questions (20 × 2 marks)

Questions 21 to 40 carry 2 marks each.

Write out the correct answers for the following questions in the boxes provided.

Show your workings clearly and give your answers in the units provided.

21. 94 308 = 90 000 + 4 000 + _____ + 8

What is the missing number?

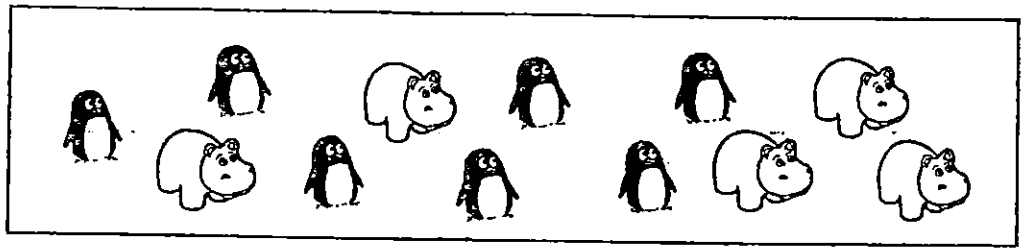
22. Fill in the blank with the correct number in the number pattern below.

850 , 825 , 800 , _____ , 750

23. $\frac{1}{3} + \frac{2}{9} =$ _____

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24. What fraction of the animals shown are penguins?



25. Arrange the following numbers in order from the greatest to the smallest.

$\frac{4}{5}$, 0.805 , 0.085

_____ , _____ , _____
greatest smallest

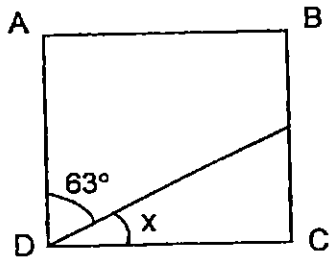
26. Round off 21.52 to the nearest whole number.

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27. $9.3 - 0.19 =$ _____

28. Find the value of 6.07×6.

29. ABCD is a square. Find $\angle x$.



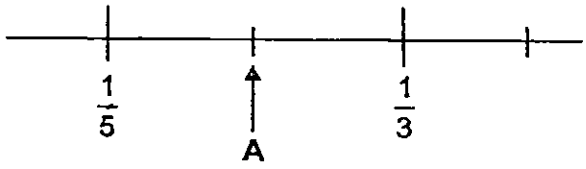
°

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30. Mrs Sandri had some buttons. She used $\frac{2}{3}$ of the buttons on some dresses and $\frac{1}{4}$ of the buttons on some pants. She had 8 buttons left in the end. How many buttons did Mrs Sandri have at first?

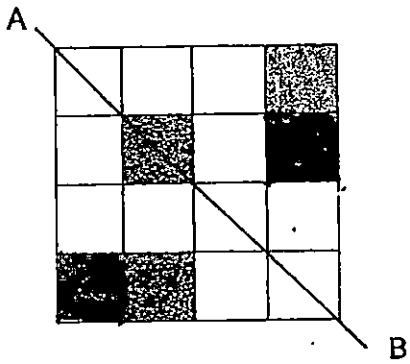
buttons

31. Write the fraction represented by A.

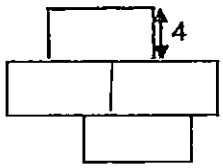


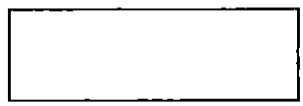
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32. Shade **two** more boxes in the figure below such that line AB is the line of symmetry of the figure.



33. The figure below shows 4 identical rectangles (not drawn to scale). The length of each rectangle is twice its breadth. Given that the breadth of each rectangle is 4 cm, find the perimeter of the figure.





cm

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34. Rohaila bought some stalks of flowers for her friends. If she gave 8 stalks of flowers to each of her friends, she would need another 6 stalks. If she gave 6 stalks of flowers to each of her friends, she would have 4 stalks left over. How many stalks of flowers did Rohaila buy?

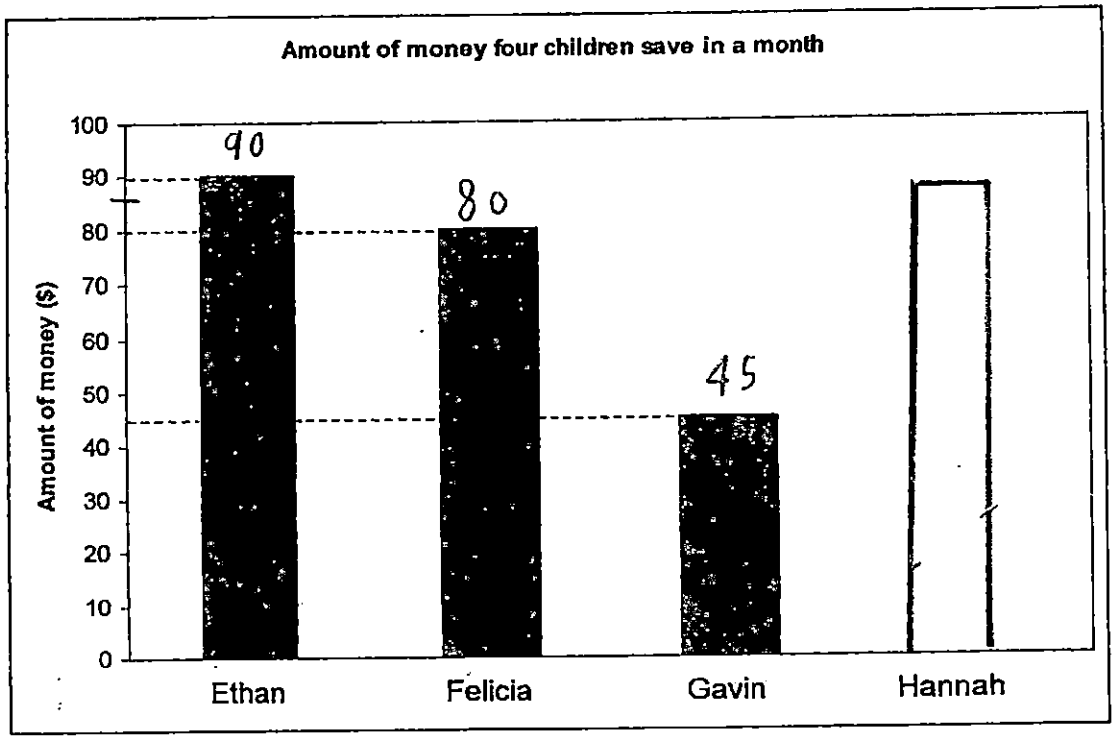
[ ] stalks

35. Jonathan reached his office at 07 45 yesterday. He left his office at 17 35. How long was he in his office yesterday?

[h min]

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The graph below shows the amount of money four children save in a month. Study the graph below carefully and use it to answer questions 36 and 37.



36. If Felicia wants to save twice as much as Gavin, how much **more** must she save?

$

37. If Ethan and Felicia were to give half of the amount of money that they had saved to Hannah, how much money would Hannah have?
Draw the bar in the graph that shows Hannah's amount of money.

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38. Ray and Kelvin shared the total cost of a meal. Ray paid $\frac{2}{5}$ of the total cost. Kelvin paid $54. How much did the meal cost?

$

39. Mr Lim wants to tile the floor of his living room that measures 15 m by 12 m. If the cost of tiling the floor is $10 per square metre, how much does Mr Lim have to pay?

$

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40. Mrs Nelson bought 10 kg of flour. She used $\frac{1}{5}$ kg of it to bake some cakes and $2\frac{1}{2}$ kg of flour to bake some tarts. How much flour had she left?

[ ] kg

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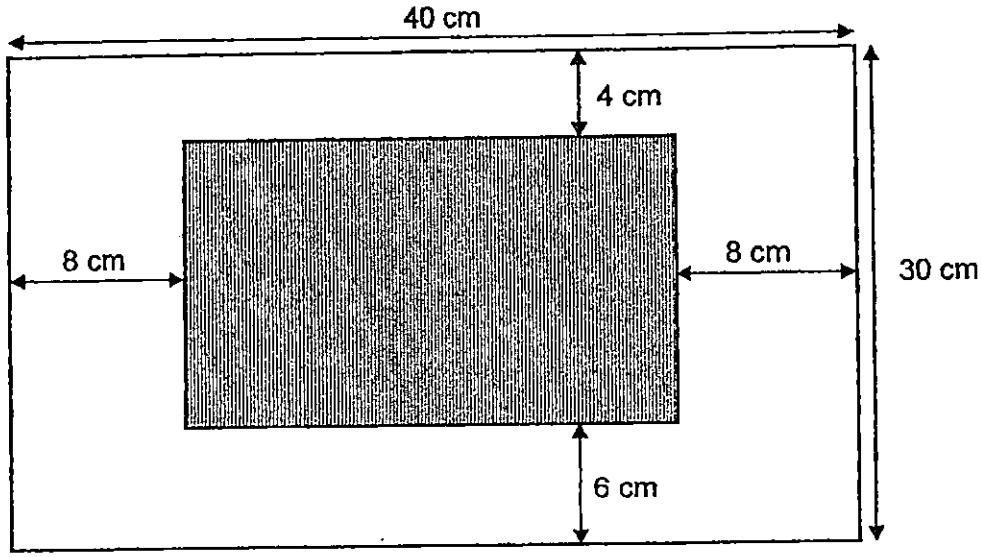
Section C (5 × 4 marks)
For each of the following questions, show your workings and mathematical statements in the space below each question. Write your answer in the answer space provided.

41. Ali, Timothy and Hannah have 1 000 rubber bands altogether. Hannah has three as many rubber bands as Ali. Timothy has 43 rubber bands fewer than Hannah. How many rubber bands does Ali have?

42. Mrs Hui and Mrs Lum had the same number of cupcakes. Mrs Hui sold 59 cupcakes while Mrs Lum sold 350 cupcakes. The number of cupcakes that Mrs Hui had left was four times the number of cupcakes Mrs Lum had left. How many cupcakes did Mrs Lum have at first?

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43. Susan bought a white board which measured 40 cm by 30 cm. She pasted a piece of note on it as shown in the diagram (not drawn to scale) below.



Find the area of the white board that was left uncovered.

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44. There were 120 boys and some girls in the school hall. After $\frac{1}{4}$ of the boys and 20 girls left the hall, there was an equal number of boys and girls remained in the hall. How many girls ~~remained~~ were there in the hall?

45. Arthur had $96. He bought 2 ties at $36.90 each and spent part of the remaining money on 3 folders. If he had $5.40 left, how much did each folder cost?

End of Paper

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EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

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

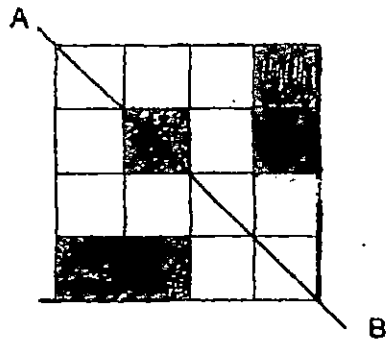
Q21. 300 Q22. 775 Q23 $\frac{5}{9}$ Q24. $\frac{7}{12}$

Q25. 0.805 (greatest) , ⅘ , 0.085 (smallest)

Q26. 22 Q27. 9.11 Q28. 36.42 Q29. 27°

Q30. 96 buttons
⅔ x 4 = $\frac{8}{12}$
¼ x 3 = $\frac{3}{12}$
$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$
$\frac{12}{12} - \frac{11}{12} = \frac{11}{12}$
8 x 12 =96

Q31. $\frac{2}{9}$ Q32. **SEE PICTURE** Q33. 56cm➔ 4 x 2 = 8, 16+12 (x 2) = 56



Q34. 34 stalks ➔6+4=10, 8-6=2, 10÷2=5, 5x6=30, 30+4=34.

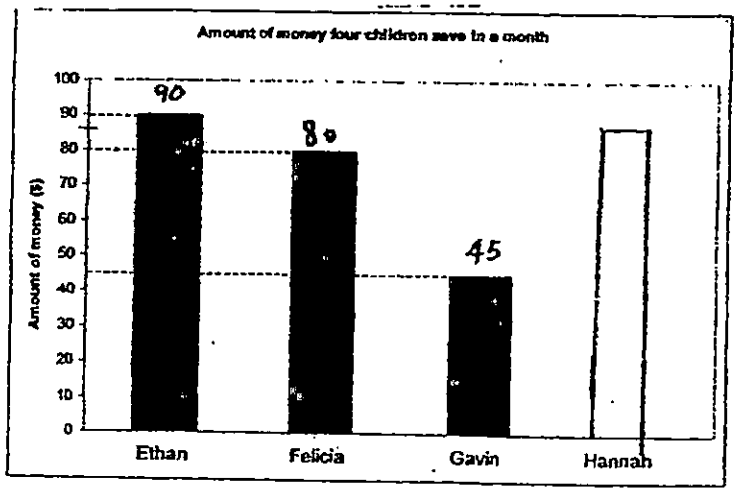
Q35. 9h 50min Q36.$10➔ 45+45=90, 90 – 80 = 10

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Q37. **SEE PICTURE**

Q38. $90 → 54÷3=18, 18 x 5 = 90



Q39. $1800 → 15 x 12m = 180, 180 x 10=1800

Q40. $7\frac{3}{10}$ → $10 = 9\frac{10}{10}$, $9\frac{10}{10} - 2\frac{7}{10} = 7\frac{3}{10}$

Q41. 149 7u 1000+43 = 1043, 1u 1043 ÷ 7 = 149

Q42. 447 cupcakes → 350 – 59 =291, 291÷3=97, 350 + 97 = 447

Q43. 720cm²
30cm - 6cm -4cm=20cm, 24cm x 20cm =480cm²
1200cm² – 480cm² = 720cm²

Q44. 110 girls → 120÷4=30, 30 x 3 = 90, 90 + 20 = 110

Q45. $5.60 → 36.90 x 2 = 73.80, 73.80 +5.40=79.20, 96-79.20=16.80, 16.80÷3=5.60

THE END

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