



NAN HUA PRIMARY SCHOOL
PRIMARY FOUR CONTINUAL ASSESSMENT 2 (2010)
MATHEMATICS

Duration: 1 hr 45 mins

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the blanks provided.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.

Marks Obtained

Total Marks:

	/ 100
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Name: _____ ()

Class: P 4 _____

Date: 24 August 2010

Parent's Signature: _____

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. The value of the digit 9 in 45.982 is _____.

- (1) 9 ones
- (2) 9 tens
- (3) 9 tenths
- (4) 9 hundredths

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2. A number when rounded off to the nearest ten is 67 840. Which of the following could be the actual number?

- (1) 67 832
- (2) 67 848
- (3) 67 825
- (4) 67 837

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3. 2.895 rounded off to 2 decimal places is _____.

- (1) 2.80
- (2) 2.89
- (3) 2.90
- (4) 2.99

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4. $9.07 = 9 + \frac{7}{\square}$

What is the missing number in the box?

- (1) 1
- (2) 10
- (3) 100
- (4) 1000

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5. In the number 2.904, the digit _____ is in the tenths place.

- (1) 0
- (2) 2
- (3) 9
- (4) 4

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6. Which one of the following is the best estimate for 479×38 ?

- (1) 400×30
- (2) 400×40
- (3) 500×30
- (4) 500×40

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7. Express $\frac{13}{100}$ as a decimal.

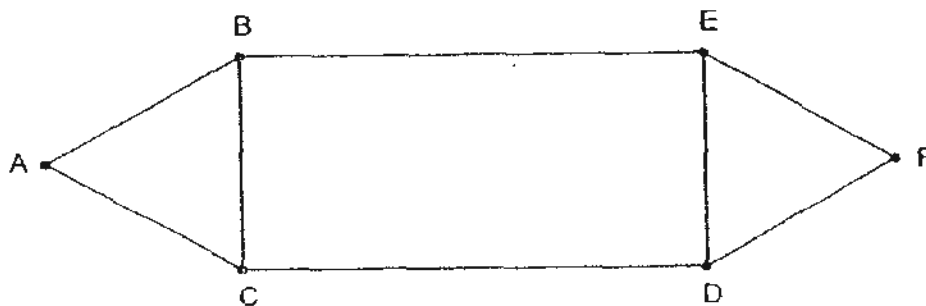
- (1) 0.013
- (2) 0.13
- (3) 1.3
- (4) 13

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8. The figure below is made up of 2 equilateral triangles and one rectangle. One of the lines in the figure is parallel to DF. Which line is parallel to DF?

- (1) AB
- (2) BE
- (3) EF
- (4) AC

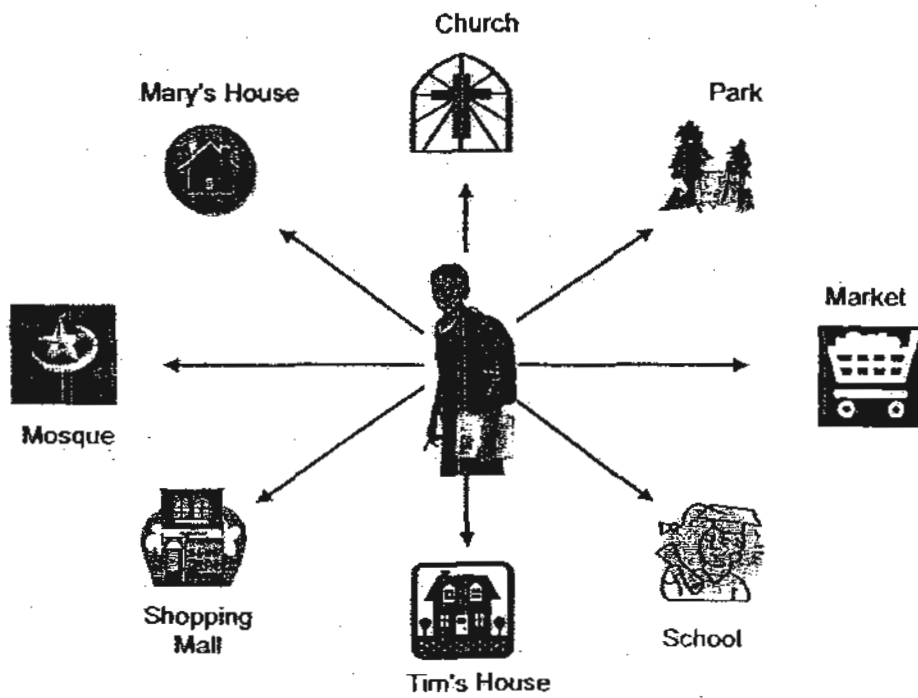
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9. Refer to the diagram below. Tim is facing the mosque now. He makes a 135° clockwise turn. Where would Tim be facing then?

- (1) park
- (2) shopping mall
- (3) school
- (4) Mary's house

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10. 0.8 is made up of _____ tenths.

- (1) 0.8
- (2) 8
- (3) 80
- (4) 800

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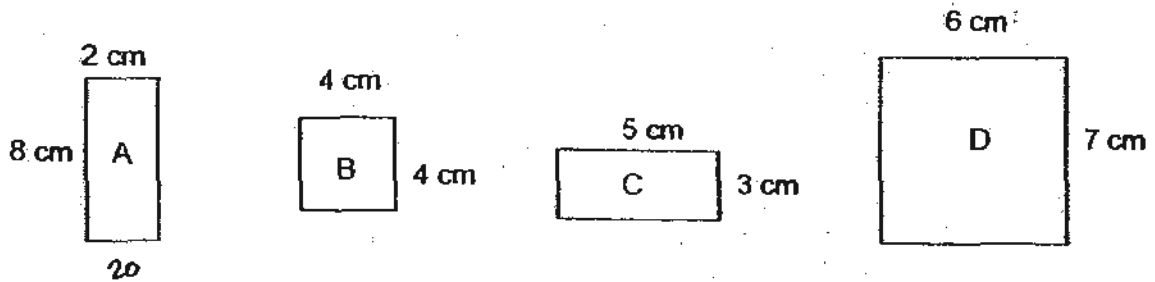
11. Arrange the following decimals from the greatest to the smallest: 0.69 , 6.9 , 6.09 , 0.609

Greatest \longrightarrow Smallest

- (1) 6.9 , 6.09 , 0.69 , 0.609
- (2) 0.69 , 0.609 , 6.9 , 6.09
- (3) 6.9 , 6.09 , 0.609 , 0.69
- (4) 0.609 , 0.69 , 6.09 , 6.9

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12. The diagrams below are not drawn to scale.



Which 2 figures have the same perimeter?

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

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13. Which of the following numbers when rounded off to the nearest tenth becomes 91.5?

- (1) 91.053
- (2) 91.448
- (3) 91.496
- (4) 91.554

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14. What is the product of 3.07 and 5?

- (1) 1.535
- (2) 15.35
- (3) 153.5
- (4) 1535

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15. Gordon had \$ 3.25. He had 15 cents more than Ryan. How much did they have altogether?

- (1) \$ 3.10
- (2) \$ 3.40
- (3) \$ 6.35
- (4) \$ 6.65

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16. David has 3.15 kg of salt. He wants to pack the salt equally into 3 packets. How much salt should be put in each packet?

- (1) 1.0 kg
- (2) 1.05 kg
- (3) 1.06 kg
- (4) 1.5 kg

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17. Joe spent $\frac{2}{3}$ of his weekly pocket money on food and $\frac{1}{6}$ of it to buy a toy. He saved the remaining \$2. How much pocket money did Joe receive each week?

- (1) \$2
- (2) \$8
- (3) \$10
- (4) \$12

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18. Mrs Lee had 24.6 kg of beef. She sold 10.4 kg of beef to Mr Koh. The remaining amount of beef was packed equally into five packets. How much beef was there in each packet?

- (1) 2.84 kg
- (2) 2.96 kg
- (3) 14.2 kg
- (4) 14.8 kg

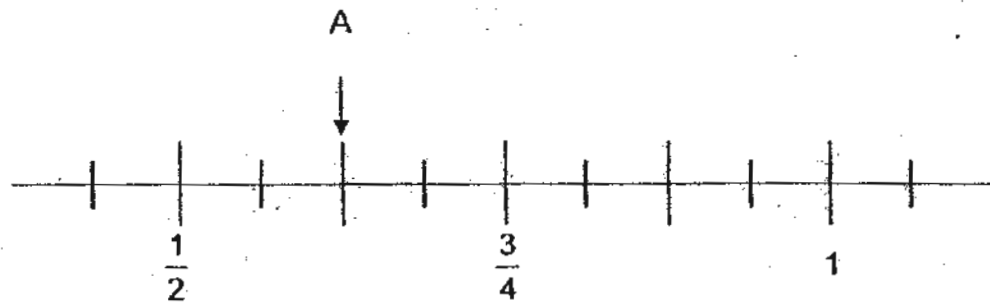
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19. Mr Muthu wants to fence up his ^{rectangular} garden measuring 18 m by 15 m. A gap of 4 m on one side of the garden is not fenced up in order to build a gate. What is the total length of fencing he need to purchase?

- (1) 274 m
- (2) 266 m
- (3) 66 m
- (4) 62 m

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20. What is the fraction that is represented by A?



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

(2) $\frac{5}{8}$

(3) $\frac{1}{3}$

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

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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. Write 3 thousandths as a decimal.

22. 5.199 rounded off to 2 decimal places is _____

23. Express 7.008 as a mixed number in the simplest form.

24. Express $\frac{17}{25}$ as a decimal.

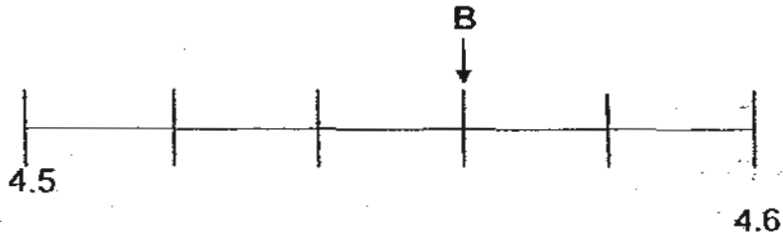
25. Arrange the following numbers in ascending order:

6.027 , 6.27 , 6.207 , $6\frac{7}{10}$

_____ →
ascending order

26. Find the product of 4.78 and 9.

27. Write the decimal that is represented by B.



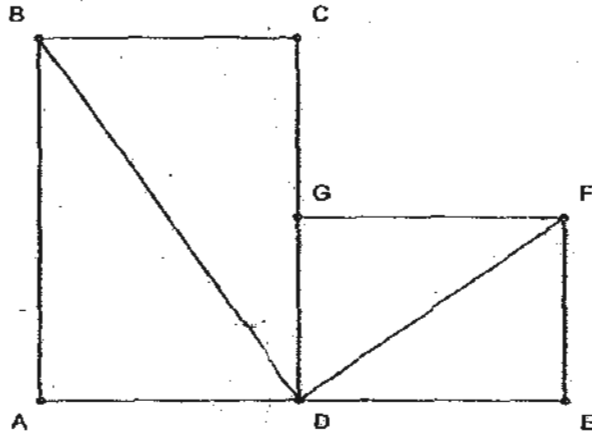
28. $1\frac{2}{7} = \frac{\square}{14}$

What is the missing number in the box?

29. Jane's mass is 40.9 kg when rounded off to 1 decimal place. What is her largest possible mass? Leave your answer in 2 decimal places.

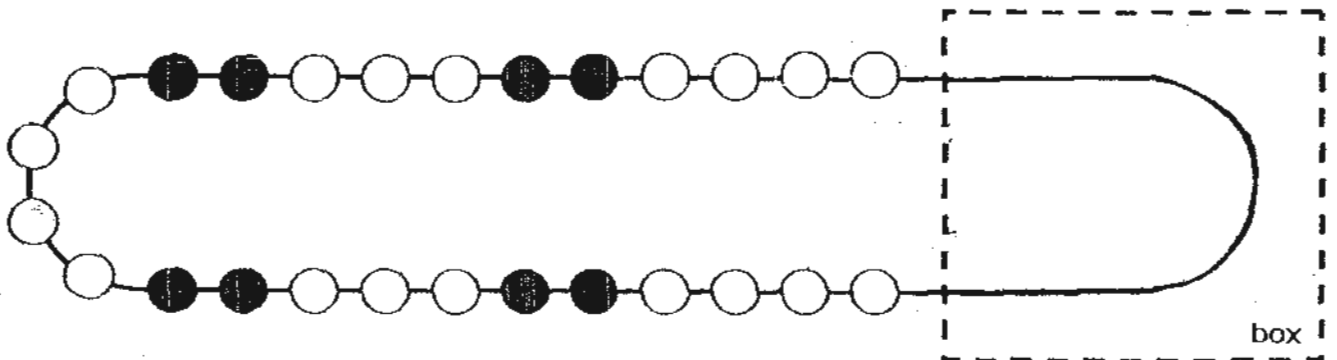
30. Desmond has a mass of $38\frac{1}{5}$ kg. His father is 45.5 kg heavier than he is. What is their total mass?

31. The diagram below, not drawn to scale, is made up of two rectangles ABCD and DEFG. Given that $\angle EDF = 35^\circ$ and $\angle BDF = 90^\circ$, find $\angle ADB$.



32. Sally's father gives her \$2 for every \$10 that she saves at the end of each week. How long does it take for Sally to accumulate \$60 in her savings?

33. The picture below shows a string of beads. Based on the pattern below, draw the minimum number of beads hidden under the box.



34. A jug contains 3752 ml of juice. David pours out the juice equally into 8 similar glasses. What is the capacity of each glass if it needs another 21 ml to fill it up?

ml

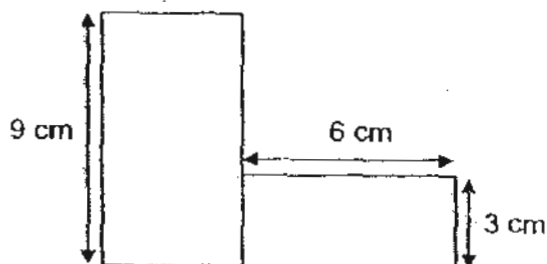
35. Brandon jogged a total of 7 km from Monday to Friday. He jogged a total of 4.3 km on the first 3 days. If he jogged the same distance on the remaining 2 days, how far did he jog on Friday?

km

36. Mrs Goh bought 2 kg of sugar. She used $\frac{1}{3}$ kg to bake a cake and $\frac{2}{9}$ kg to make some cookies. How much sugar did she have left?

kg

37. The figure below is made up of 2 rectangles. Given the total area of the figure is 54 cm^2 , find the perimeter of the figure.



cm

38. Alice had \$6.90 less than Bobby but \$8.70 more than Cathy.
If Bobby had \$29.40, how much money had Cathy?

\$

39. 5 teams took part in a soccer competition. Each team played one match against each of the rest. How many matches were played altogether?

40. A watch costs 4 times as much as a wallet. If the watch and 5 similar wallets cost \$78.75, how much does each wallet cost?

\$

Section C (5 × 4 marks)

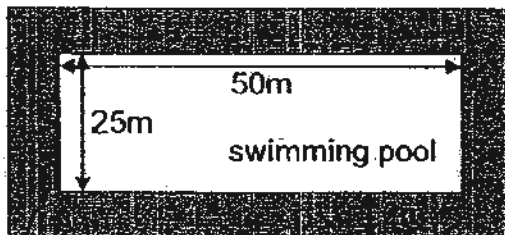
For each of the following questions, show your workings and mathematical statements in the space below each question. Write your answer in the answer space provided.

41. James bought 2 kg of mangosteens, 3 kg of grapes and 28 oranges from a fruit stall. Using the price list given below, how much change would he receive if he gave the fruiterer \$100?

Fruit	Price
Mangosteens	\$7.50 per kg
Grapes	\$5 per kg
Oranges	7 for \$3.10.

Ans: _____ (4 marks)

42. A pathway of width 2 m was laid around a swimming pool of 50 m by 25 m as shown in the figure below. Find the area of the pathway.



Ans: _____ (4 marks)

43. Mrs Lee bought 3 m of cloth. She used $\frac{1}{2}$ of it to make 5 cushion covers. She then used $\frac{1}{3}$ of the remainder to make a dress for her daughter's doll.

- a) How much cloth did she use to make one cushion cover?
b) How much cloth was left?

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

44. The total volume of 6 identical pieces of metal bars and 4 identical pieces of wooden planks is 27.3 m^3 . The total volume of 1 piece of metal bar and 1 piece of wooden plank is 5 m^3 . What is the total volume of 1 piece of metal bar?

Ans: _____ (4 marks)

45. Kumar bought a roll of ribbon 6.4 m long and cut it into 7 pieces. Some of the pieces were 1 m long and the rest were 0.8 m long. How many pieces of ribbon were 1 m long?

Ans: _____ (4 marks)

----- End of Paper -----

ANSWER SHEET

EXAM PAPER 2010

SCHOOL : NAN HUA PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : CA2

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

Q18	Q19	Q20
1	4	2

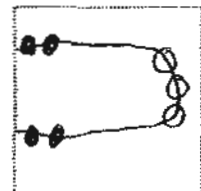
21)0.003 22)5.20 23) $7\frac{1}{125}$ 24)0.68 25)6.027,6.207,6.27,67/10

26)43.02 27)4.56 28)18 29)40.94kg 30)121.9kg

31)55° 32)5weeks

34)490ml 35)1.35km 36) $14\frac{9}{9}kg$ 37)38cm

38)\$13.80 39)10 40)\$8.75



41)1kg of mangosteens→7.50
2kg of mangosteens→15.00
1kg of grapes→5.00
3kg of grapes→15.00
7oranges→3.10

28orangest→ $28 \div 7 = 4$

$4 \times 3 = 12$

Total→ $15.00 + 15.00 + 12.40 = 42.40$

Change→ $100 - 42.40 = \$57.60$

He would receive \$57.60 change.

42)pool (50 x 25) = 1250

Pool and pathway→(54 x 29)=1566

Pathway→(1566 - 1250) = 316m²

The area of the pathway 316m²

43)a) $3 \div 2 = 1.5$

$1.5 \div 5 = 0.3\text{m}$

She used 0.3m to make one cushion cover.

b) $1.5 \div 3 = 0.5$

$0.5 \times 2 = 1\text{m}$

1m of cloth was left.

44) $5 \times 4 = 20$

$27.3 - 20 = 7.3$

$7.3 \div 2 = 3.65\text{m}$

The total volume of one piece of metal bar is 3.65m.

45) 4 pieces of ribbon were 1m long.