CA2

NANYANG PRIMARY SCHOOL
SECOND CONTINUAL ASSESSMENT 2005
MATHEMATICS
PRIMARY FOUR

Name:_____ _____( ) Marks: / 100

Class: Primary 4 ( ) Parent's Signature:

Date: 25 August 2005 _____

Duration: 1 h 45 min

Section A

Questions 1 to 20 carry two marks each. For each question, four choices are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. (Total: 40 marks)

1. Which of the following numbers will become 48 700 when rounded off to the nearest ten?

(1) 48 694 (2) 48 695
(3) 48 705 (4) 48 741

2. Which of the following two numbers are common factors of 45 and 90?

(1) 5 and 35 (2) 6 and 45
(3) 3 and 15 (4) 4 and 25

3. A circular running track is 800 m long. Sam jogs 5 times around it. What is the total distance he has jogged?

(1) 4000 km (2) 400 km
(3) 40 km (4) 4 km

34

4. Ranjit prepared 66 parcels. There were 12 letters in each parcel. Find the total number of letters in the parcels.

(1) 88
(2) 198
(3) 782
(4) 792

5. What is the sum of $3\frac{1}{9}$ and $\frac{1}{3}$?

(1) $\frac{2}{12}$
(2) $3\frac{2}{12}$
(3) $3\frac{4}{9}$
(4) $3\frac{2}{27}$

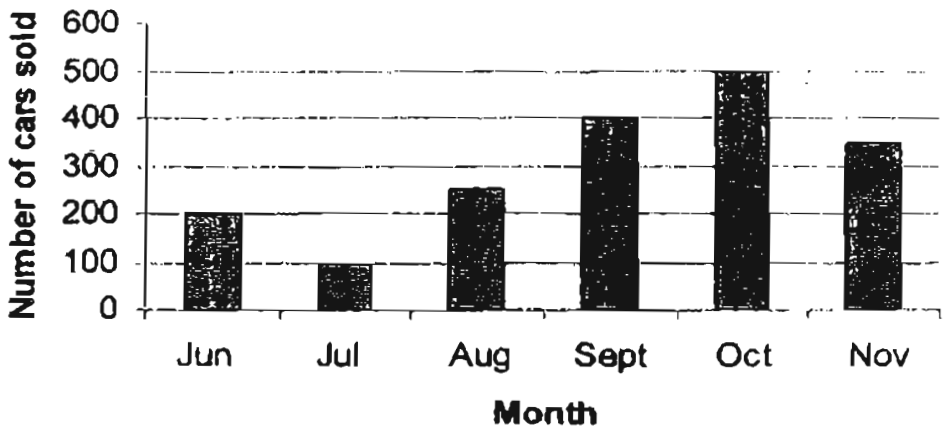
6. $6\frac{2}{3} = \frac{120}{\square}$. What is the missing number in the box?

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

7. There are 35 red and green apples in a box altogether. If $\frac{3}{7}$ of them are green, how many red apples are there in the box?

(1) 7
(2) 15
(3) 20
(4) 21

8. The bar graph below shows the number of cars sold in a showroom from June to November.

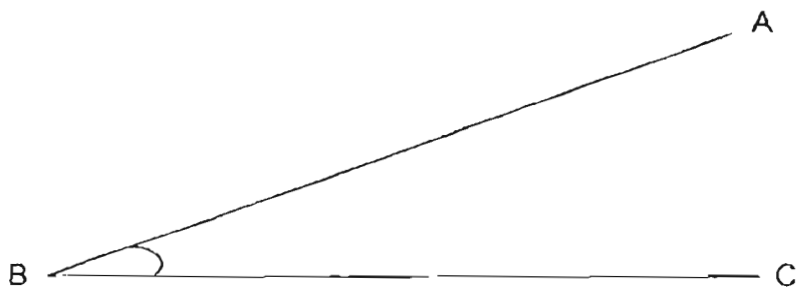


How many **more** cars were sold in October **than** in August?

(1) 100 (2) 150

(3) 250 (4) 750 ( )

9. Using a protractor, measure ∠ ABC.

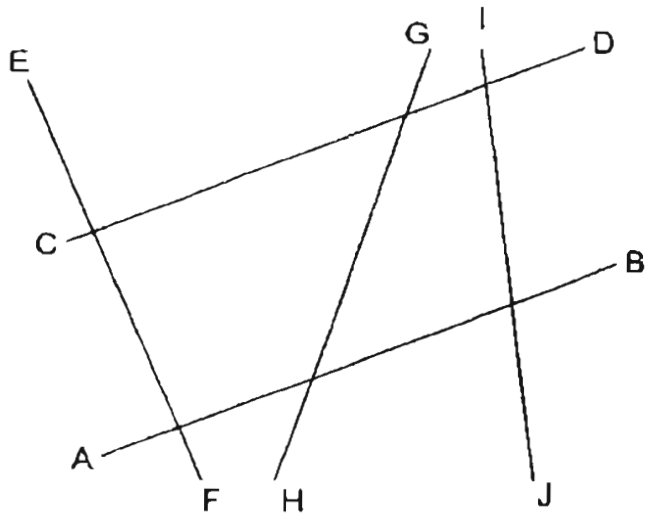


(1) 21° (2) 39°

(3) 159° (4) 161° ( )

37

10. In the figure below, which line is perpendicular to AB?

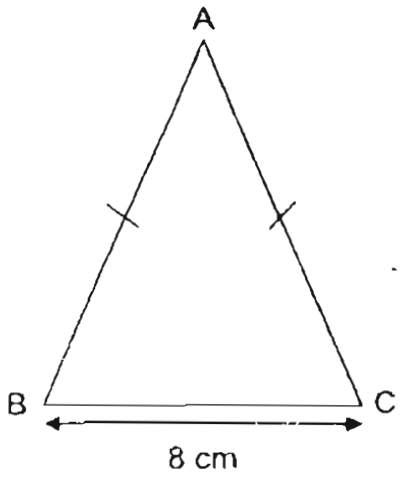


(1) CD (2) EF

(3) GH (4) IJ

( )

11. Triangle ABC is an **isosceles triangle**. Its **perimeter** is 32 cm. Find the length AB.



(1) 24 cm (2) 16 cm

(3) 12 cm (4) 4 cm

( )

38

12. The length of a rectangle is thrice its breadth. If the perimeter of the rectangle is 40 cm, find its area.

(1) $75\,cm^2$ (2) $120\,cm^2$ ( )

(3) $150\,cm^2$ (4) $300\,cm^2$

13. 49 tenths written as a decimal is _____.

(1) 4.9 (2) 4.09 ( )

(3) 4.009 (4) 0.49

14. There are _____ hundredths in 0.72.

(1) 7 (2) 20 ( )

(3) 70 (4) 72

15. Round off 357.794 to 1 decimal place.

(1) 358.0 (2) 357.8 ( )

(3) 357.7 (4) 357.0

16. Find the value of 5.625 + 0.24.

(1) 5.385 (2) 5.601 ( )

(3) 5.649 (4) 5.865

17. Subtract 0.04 from 7.

(1) 0.03 (2) 0.66 ( )
(3) 6.6 (4) 6.96

18. Ali has a piece of string which is 6.24 m long. He then cut it into 6 equal pieces. Find the length of each piece of string.

(1) 1.04 m (2) 1.4 m
(3) 3.744 m (4) 37.44 m ( )

19. The mass of 9 identical metal balls is 9 kg 450 g. Find the mass of two such metal balls.

(1) 1.05 kg (2) 1.5 kg ( )
(3) 2.01 kg (4) 2.1 kg

20. Tank A contains 24.16 *l* of water. Tank B contains 4 times as much water as Tank A. Find the total volume of water in Tank A and B.

(1) 6.04 *l* (2) 30.2 *l* ( )
(3) 96.64 *l* (4) 120.8 *l*

40

Section B

Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. Give your answers in the units stated. (Total: 40 marks)

21 What is the missing number?

Ans: _____

22. Two numbers, X and Y, as shown in the table below, have **only** 2 factors each.

Number	Factors
X	1, X
Y	1, Y

What could the numbers X and Y be if the sum of X and Y is 21?

Ans X: _____

Y: _____

23. Curry puffs are sold in boxes of 8. Each box of curry puffs is sold at $5. If Ben has $119, what is the **maximum** number of curry puffs he can buy?

Ans: _____

61

24. Jason bought 2 l of paint. He used $\frac{3}{4}$ l to paint a fence and $\frac{1}{6}$ l to paint a door. How much paint had he left?

25. Tom travelled $1\frac{3}{4}$ km to school. Peter travelled $\frac{2}{3}$ km more than Tom. What is the total distance travelled by Tom and Peter? Express your answer as a fraction in the simplest form.

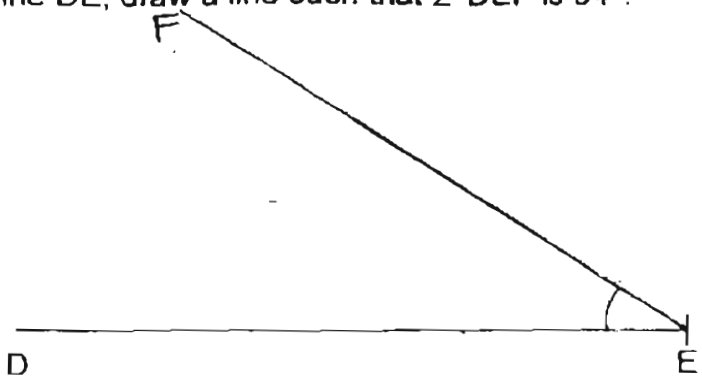
Ans _____ km

26. Mrs Shanti went to the supermarket to buy some apples and oranges. Apples are sold at 3 for \$1.50 and oranges are sold at 4 for \$2.80. How many apples and oranges did she buy with exactly \$10.10?

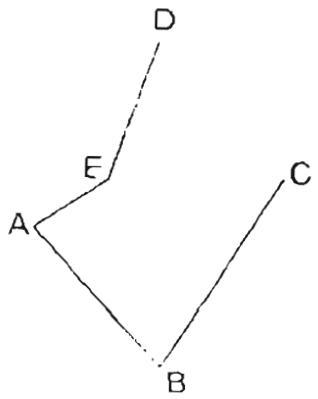
Ans: Apples. _____

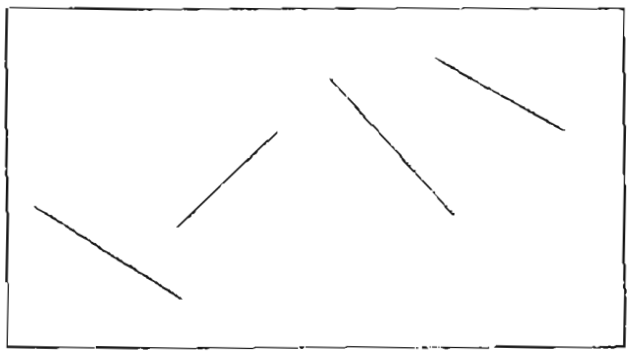
Oranges. _____

27. Given line DE, draw a line such that ∠ DEF is 34°.



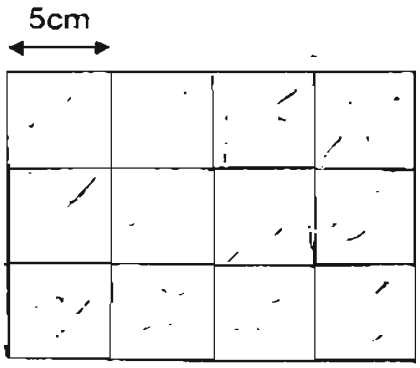
28. Siti drew a figure below. Line CD is erased accidentally. If line CD is parallel to line AB, circle the line in the box that best represents line CD.





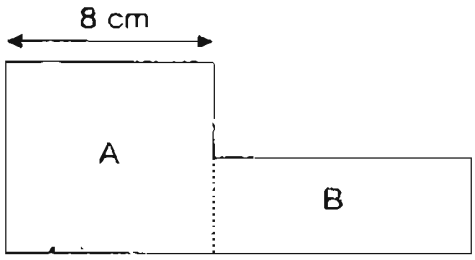
29. Draw **two** lines to the parallelogram **below** to form a trapezium

30. The figure below is made up of three 5-cm squares. How many **more** such squares must be added to the figure to form a rectangle measuring 20 cm by 15 cm?



Ans: _____ _____

31. The figure below is made up of Square A and Rectangle B. The breadth of Rectangle B is half the side of Square A. If the area of the whole figure is 104 cm^2, find the length of Rectangle B.



Ans: ___ _____ cm

32. The area of the figure below is 100 cm^2. Find the area of the shaded part.

Ans: ___. ____ cm^2

33. Express $\frac{49}{1000}$ as a decimal.

Ans: ____ ____

34. The capacity of a bottle is 2 *l* when rounded off to the nearest litre. The capacity of a barrel is 5 *l* when rounded off to the nearest litre. Find the **smallest** total capacity of the bottle and barrel.

Ans: ____ ____ *l*

65

35. A train travelled 576.96 km in 4 hours. What would be the distance travelled by the train in 15 hours (assuming that the train travels the same distance every hour)?

Ans: _____ km

36. The product of 9 and ☐ is 259.2. Find the missing number in the box.

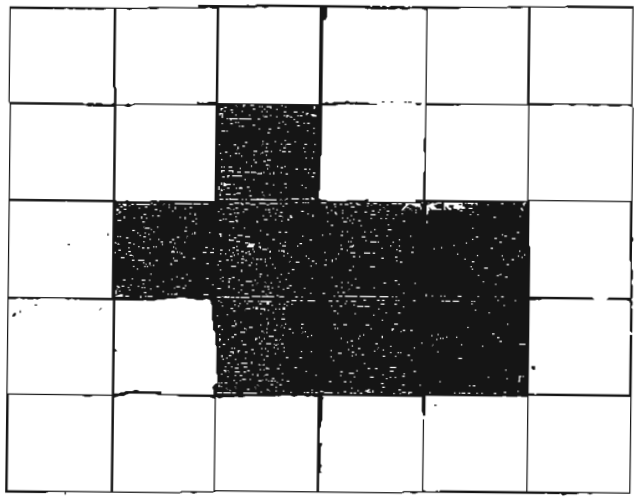
Ans: _____

37. A clerk can type 427 words in 7 minutes. How many words can the clerk type in 1 h 54 min (assuming that she types the same number of words every minute)?

38. 5 similar pillows and 3 similar blankets cost $121. If 2 pillows and 1 blanket cost $44.50, find the cost of each pillow.

Sec

39. Shade **2 more** squares to make the shaded area a symmetric figure.



40. Every morning, Bala delivers 52 sets of newspapers while Mei Ling delivers 100 sets of newspapers. If they delivered a total of 456 sets of newspapers after a certain number of days, how many sets of newspapers have Mei Ling delivered?

Ans _____ _____

Section C

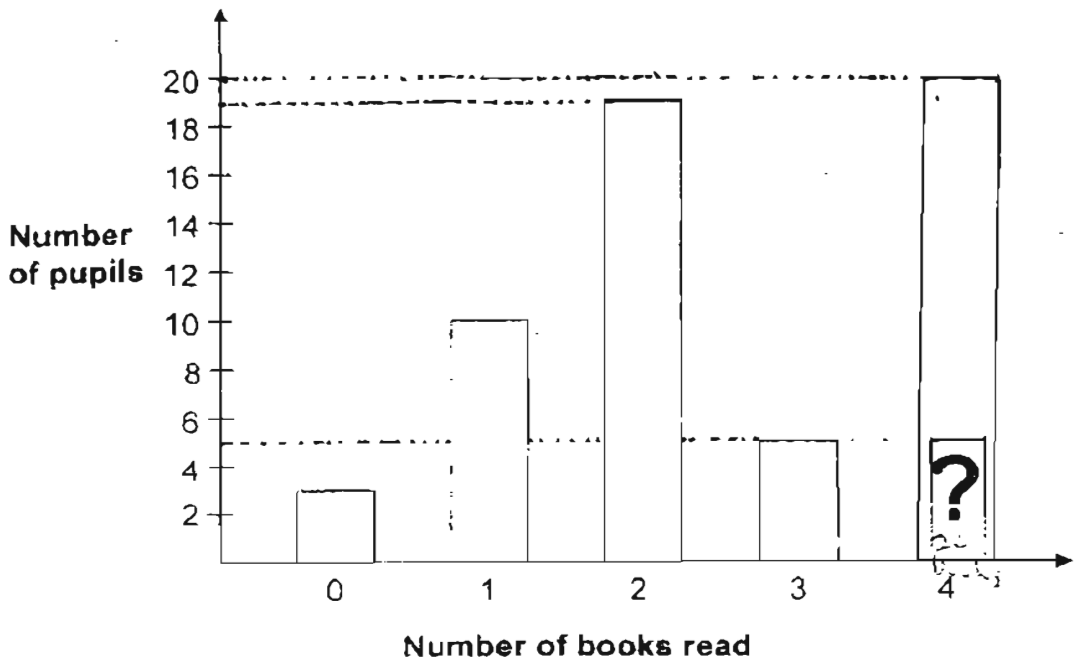
Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working in the space provided. Write your answers in the spaces provided. (Total: 20 marks)

41. The total mass of 3 packs of rice A, B and C was 46.93 kg. Pack A was 1.08 kg heavier than Pack B. If Pack C had a mass of 11.89 kg, what was the mass of Pack B?

Ans: _____

48

42. The bar graph below shows the number of books read by all the pupils in Primary 4P during the holidays.



(a) The pupils read a total of 83 books during the holidays. How many pupils read 4 books during the holidays?

Ans: _____

(b) Find the difference between the number of pupils who read **less than 2 books** and the number of pupils who read **more than 2 books**.

49

43. Han Jie and John have 130 buttons each. Sheila has 40 fewer buttons than the total number of buttons Han Jie and John have. How many buttons must Sheila give to Han Jie and John (in total) so that the three of them will have equal number of buttons?

Ans: _____

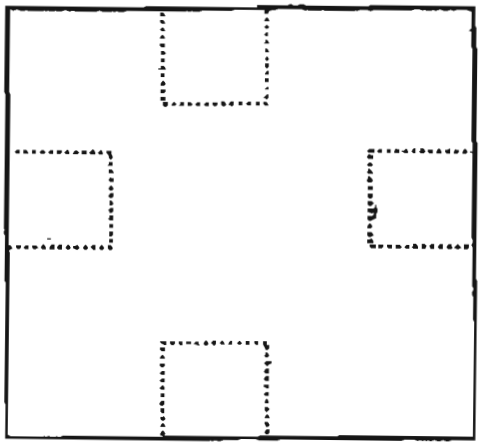
50

44. Lily had 20 more paper clips than Samy. After Samy gave $\frac{1}{3}$ of his paper clips away, Lily had twice as many paper clips as Samy. How many paper clips did Samy and Lily have altogether at first?

Ans: _____

51

45. The figure below shows a square paper with an area of 81 cm^2. Four similar small squares were cut out from the square paper. The total area being cut out from the square paper is 16 cm^2. Find the perimeter of the remaining piece of paper.



Ans: _____

☺ *End of Paper* ☺
Please Check Carefully

Setters: Mr Azman
Ms Tan Si Ming

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CA2

Nanyang Primary School

Primary 4 Maths CA2 Exam (2005)

[redacted]

Answer Sheets

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

21. 10151

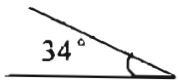
22. X : 2 Y : 19

23. 184 curry puffs

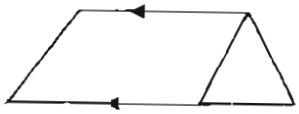
24. $1\frac{1}{12}$

25. $4\frac{1}{6}$ km

26. Apples : 9 Oranges : 8

27. 

28. 

29. 

30. 9

33. 0.049

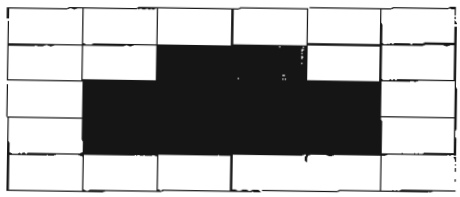
34. 6ℓ

35. 2163.6

36. 28.8

37. 6954

38. $12.50

39. 

40. 300

41. 1698kg

42. a) 5 pupils b) 3 pupils

31. 10cm
32. 80cm²

43. 60 buttons
44. 140 paper clips
45. 52cm