Nan Hua Primary School
End-of-Year Examination 2006
Mathematics
Primary Three

Name: _____ ( ) Marks: ____/100

Class: Pr 3 _____

Date: 30 October 2006

Duration: 1h 45 min _____ Parent's Signature

Section A (20 x 2 marks)
Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

1. In 4 365, the digit '4' is in the _____ place.

   1) ones
   2) tens
   3) hundreds
   4) thousands ( )

2. In which one of the following does the digit '6' have the **greatest value**?

   1) 1 628
   2) 2 816
   3) 6 128
   4) 8 261 ( )

3. Mr Lee spent $279 on a DVD player and $535 on a television set, he gave the cashier $1 000, how much change would he get?

   1) $ 186
   2) $ 465
   3) $ 721
   4) $ 814 ( )

4. Which of the following amount of money is the **greatest**?

1) 7 fifty-cent coins
2) 10 twenty-cent coins
3) 15 ten-cent coins
4) 20 five-cent coins ( )

5. If $4 \times 3 + 3 + 3 = \square \times 3$, what is the missing number in the box?

1) 6
2) 7
3) 10
4) 12 ( )

6. I am a number. When I am divided by 6, you will get a quotient of 4 and a remainder of 3. What number am I?

1) 13
2) 18
3) 22
4) 27 ( )

7. Nancy bought 7 boxes of beads. Each box contained 28 beads. She used 12 of them. How many beads had she left?

1) 112
2) 184
3) 196
4) 280 ( )

8. A fruit seller packs 27 peaches equally into 3 boxes.
How many peaches are there in 9 such boxes?

1) 9
2) 54
3) 81
4) 243

( )

9. Weiming has 64 stickers. If he gives 14 stickers to his sister, they will have the same number of stickers. How many stickers does Weiming's sister have **at first** ?

1) 25
2) 36
3) 39
4) 50

( )

10. Which of the following is not correct?

1) 5 m 9 cm = 509 cm
2) 5 m 90 cm = 590 cm
3) 5 km 9 m = 509 m
4) 5 km 90 m = 5 090 m

( )

11. A ribbon was 3m 65cm long. 24 cm of ribbon was needed to tie a bow.
How much ribbon was left if Miss Wong used it to tie 5 bows?

1) 120 cm
2) 245 cm
3) 336 cm
4) 341 cm

( )

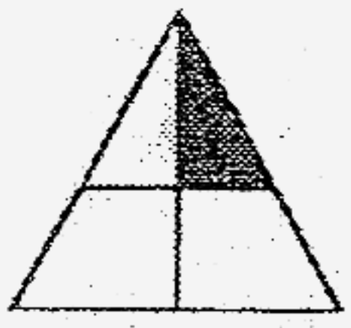
12. The total mass of a basket containing 4 similar balls is 1kg 260g. The empty basket has a mass of 400g. What is the mass of each ball?

1) 100 g
2) 215 g
3) 315 g
4) 860 g

( )

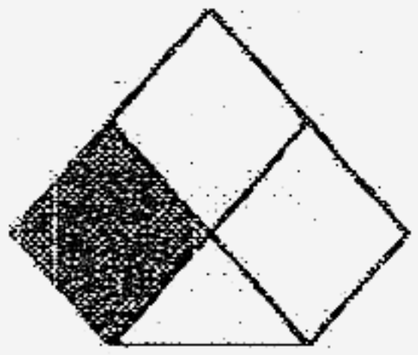
13. Which one of the following shows $\frac{1}{4}$ of the figure shaded?

1)

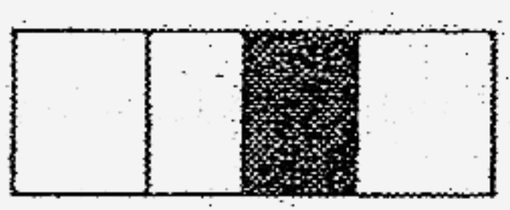


2)

3)



4)



( )

14. Which one of the following is **correct**?

1) $\frac{3}{4} = \frac{6}{12}$

2) $\frac{2}{5} = \frac{5}{10}$

3) $\frac{5}{6} = \frac{11}{12}$

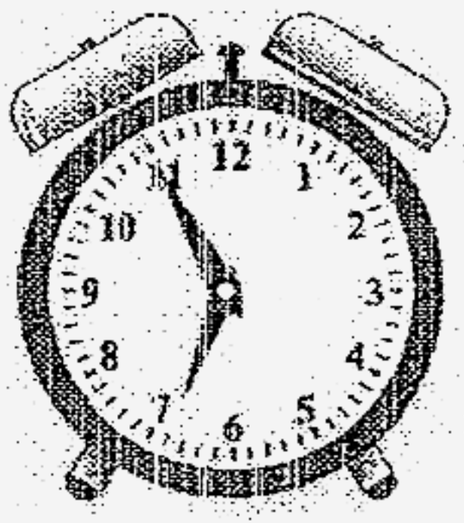
4) $\frac{2}{3} = \frac{6}{9}$

( )

15. How many **halves** are there in $4\frac{1}{2}$?

1) 5
2) 8
3) 9
4) 4 ( )

16. What time does the clock below show?



1) 5 minutes past 7
2) 55 minutes to 6
3) 5 minutes to 7
4) 55 minutes to 7 ( )

17. The table below shows the time taken by 4 boys to complete a race.
Who is the **fastest** runner?

	Name	Time taken
1)	Alex	160 s
2)	Ben	2 min
3)	Charles	126 s
4)	Dennis	106 s

( )

18. Which of the following is **true**?

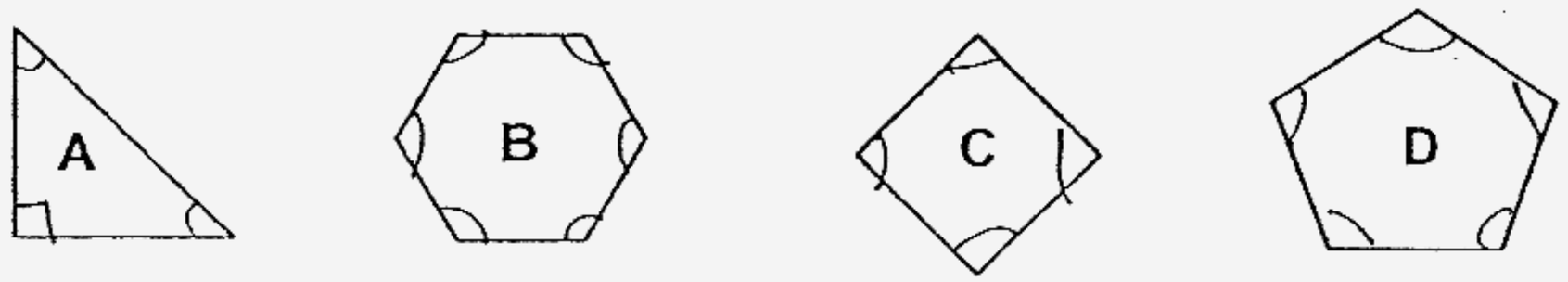
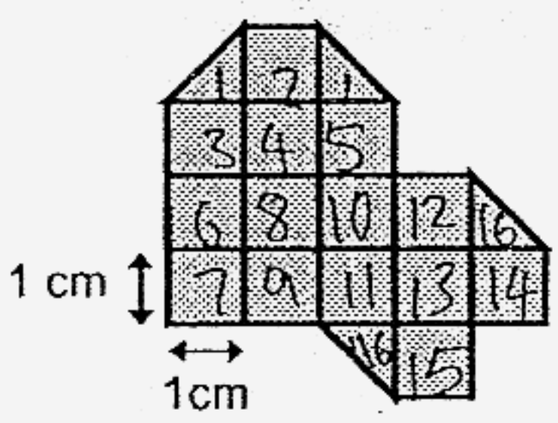


	Figure	Number of sides	Number of angles
1)	A	3	2
2)	B	6	5
3)	C	5	4
4)	D	5	5

( )

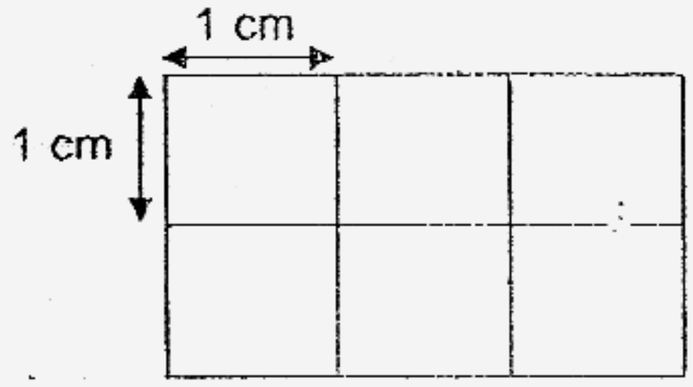
19. What is the area of the shaded figure below? (The figure is not drawn to scale)



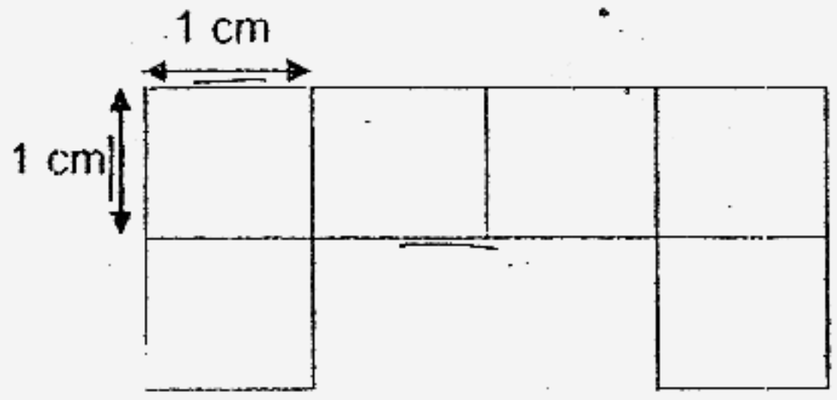
1) 14 cm^2
2) 15 cm^2
3) 16 cm^2
4) 18 cm^2

( )

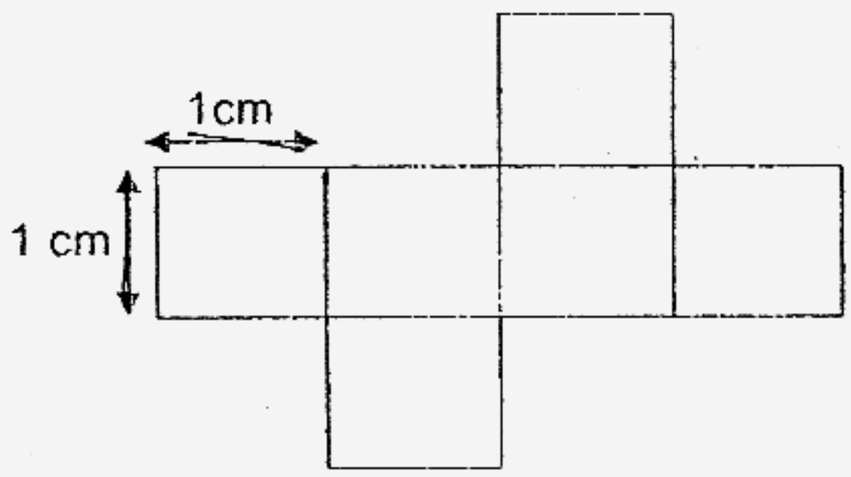
20. Which of the <u>2 figures</u> have the same **area** and **perimeter**?



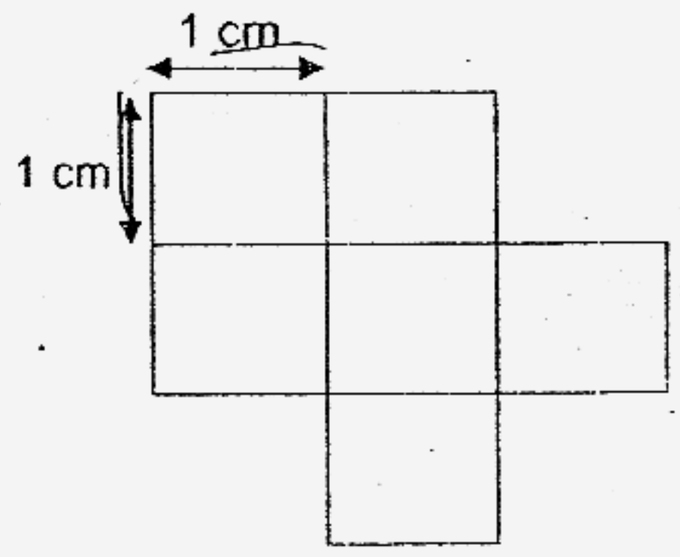
A



B



C



D

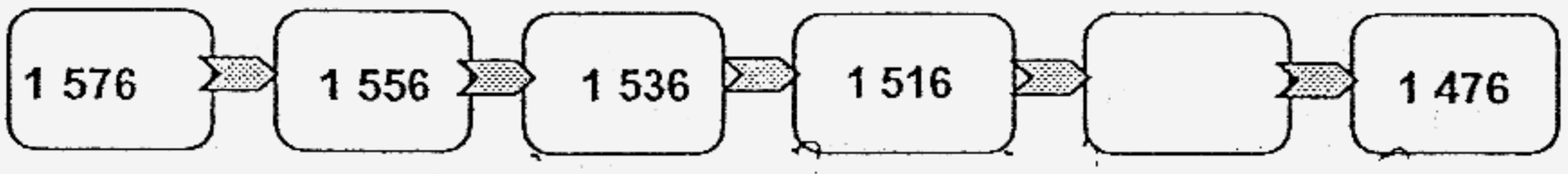
1) A and D
2) B and C
3) C and D
4) B and D

( )

Section B (20 x 2 marks)

Read the questions carefully. Write the correct answers in the boxes provided.

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

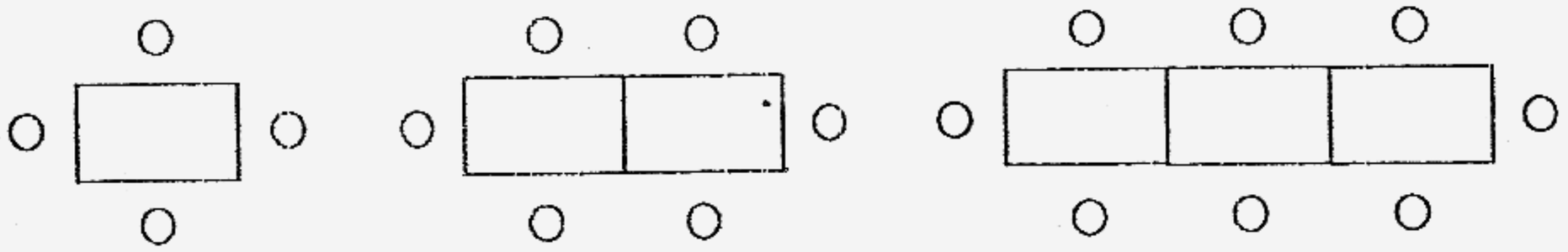


22. I am a 3-digit **odd** number with the digits 6, 8 and 9.
I am the **greatest** possible number between 600 and 900.
What number am I?

23. Jenny has 6 boxes of lollipops. There are 40 lollipops in each box.
She repacks all the lollipops into packets of 10, how many packets of lollipops does Jenny have?

packets

24. The figures below show the seating arrangement of pupils in a library.
The rectangular tables are arranged side by side in a straight row.
Complete the following table for Patterns D and E.



A B C

Pattern	Number of tables	Number of pupils
A	1	4
B	2	6
C	3	8
D	4	(a) ?
E	5	(b) ?

(a)

(b)

25. Kevin has 7 toy dinosaurs. He has 4 times as many toy cars as toy dinosaurs.
How many **more** toy cars than toy dinosaurs does Kevin have?

more

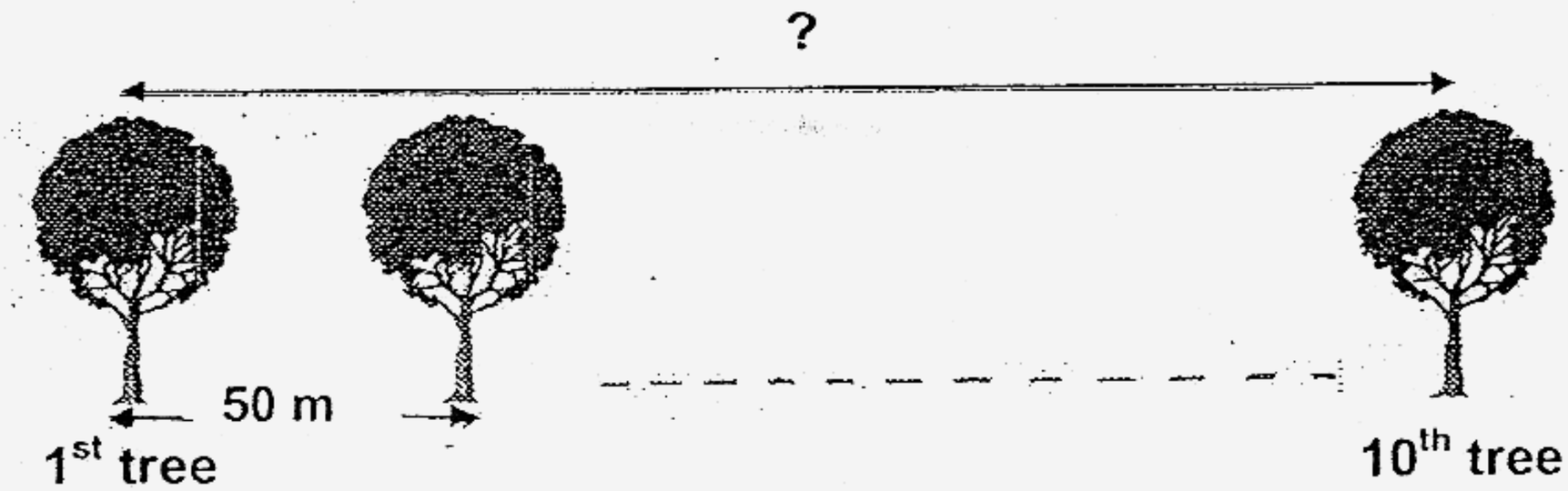
26. A baker bakes 98 cupcakes. He puts all the cupcakes into boxes.
If each box can only hold 8 cupcakes, what is the **least number** of boxes he will need to put **all** the cupcakes?

[ ] boxes

27. Mrs Tan puts 24 cream puffs and 16 curry puffs on each tray.
How many puffs are there on 4 such trays?

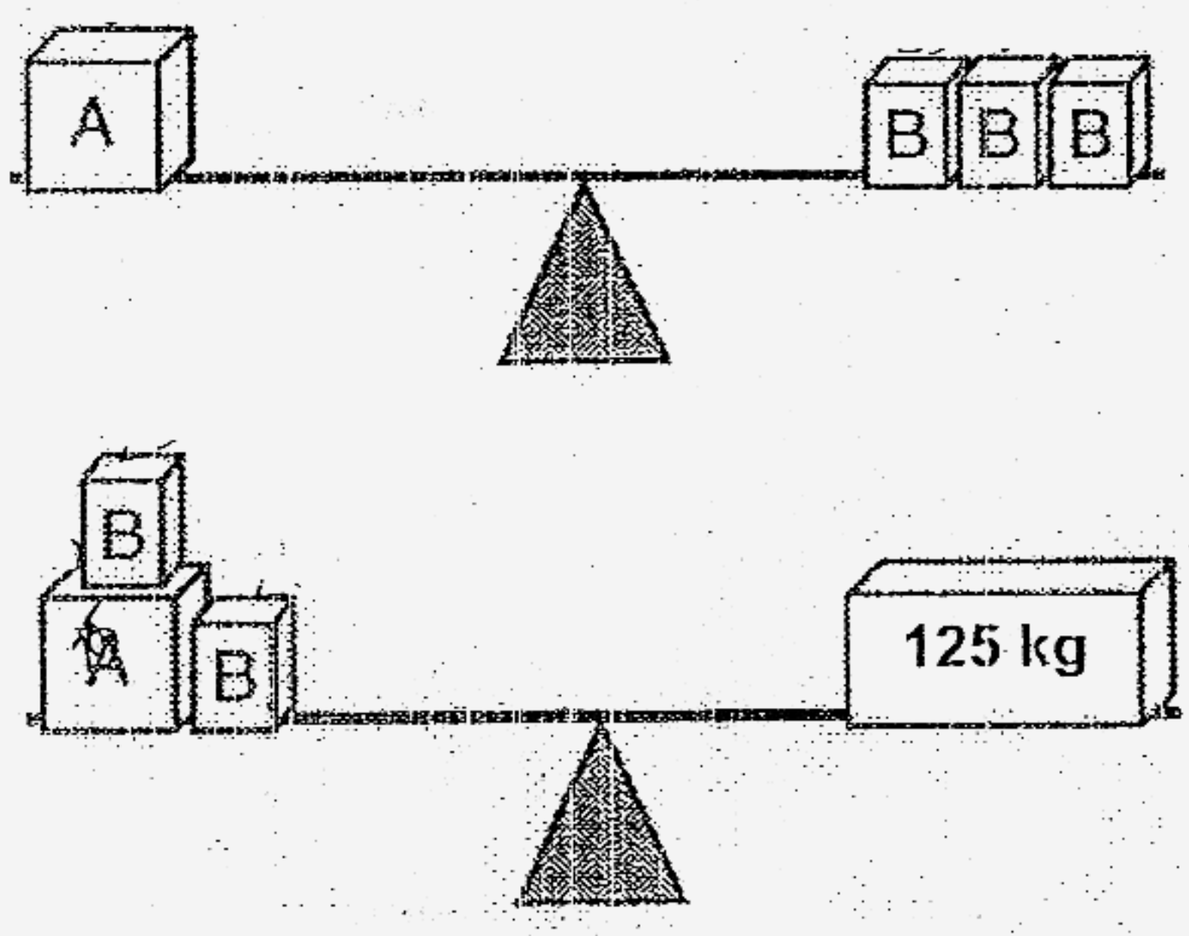
[ ] puffs

28. There are 10 trees along a road. The distance between every two trees is 50 m.
What is the distance between the first tree and the tenth tree?



[ ] m

29. Given that



and

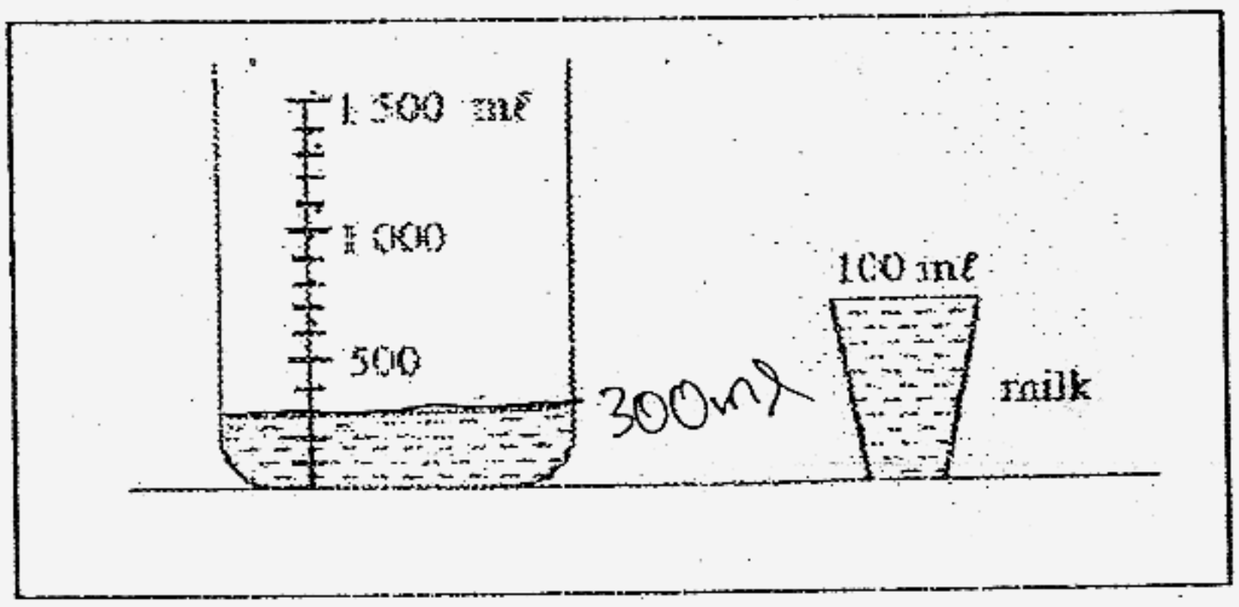
What is the mass of  ?

[ ] kg

30. The mass of Mrs Lee is 60 kg. She is 3 times as heavy as her son.
What is the mass of her son?

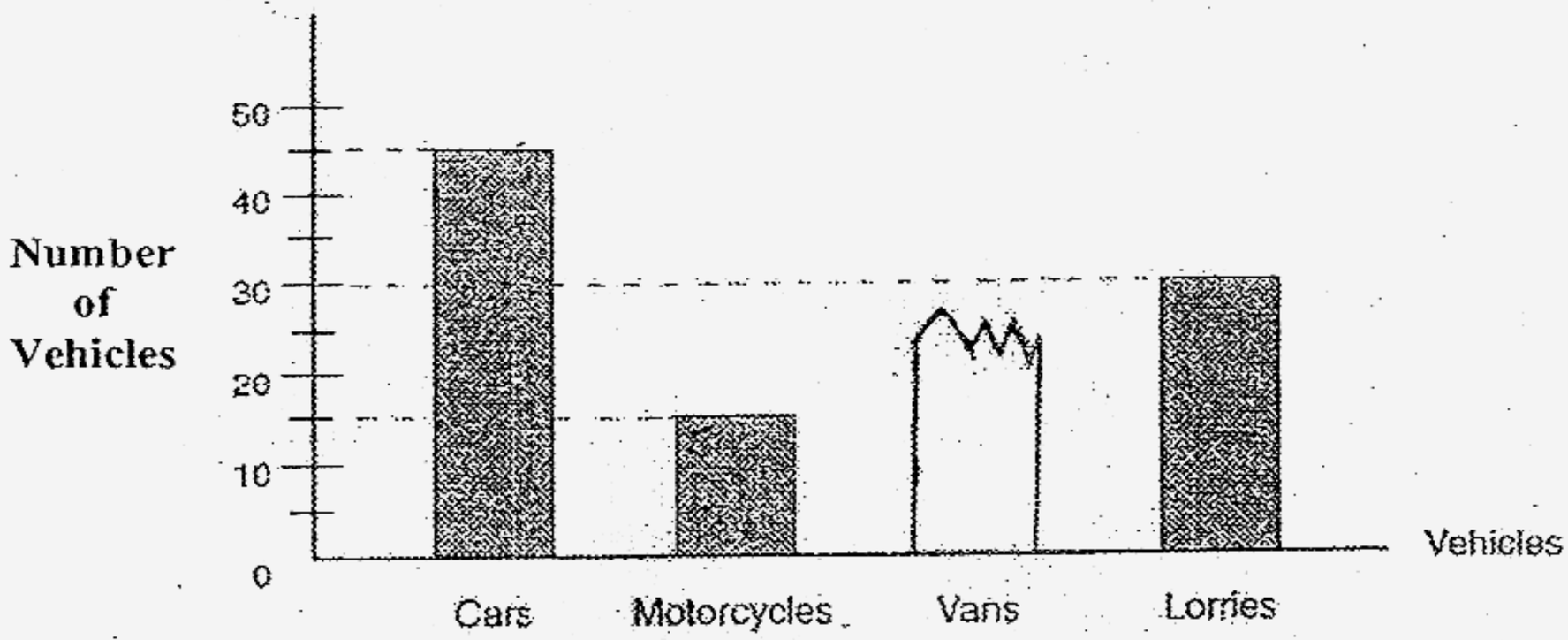
[ ] kg

31. Look at the diagram carefully.
How many **more** glasses of milk are needed to fill the container to 1 500 mℓ ?



[ ] more glasses

The bar graph below shows the different types of vehicles parked at a car park.
Use it to answer questions 32 to 33.



32. The number of _____ is three times as many as the number of motorcycles.

33. If there are 125 vehicles at the car park, how many vans are there?

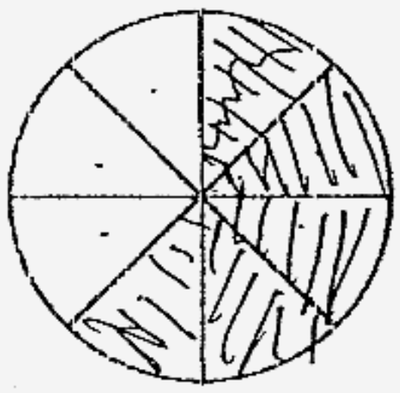
vans

34. Arrange these fractions from the **smallest to the greatest.**

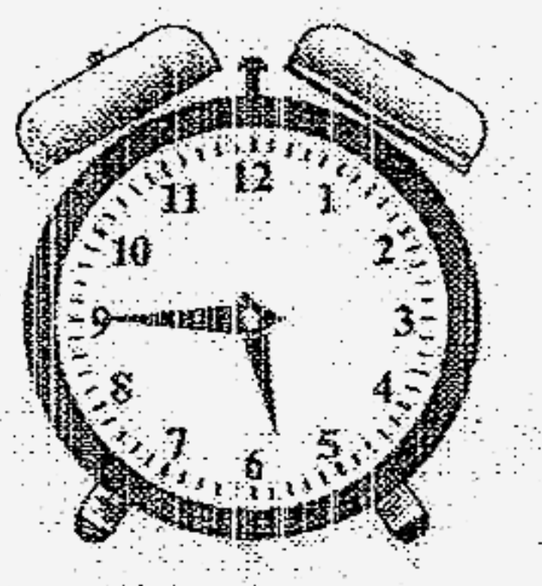
$\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$

_____ , _____ , _____

35. Mother bought a pizza. She cut it into 8 equal slices.
Alice ate 2 slices and Fred ate 3 slices.
What **fraction** of the pizza was **not** eaten?



36. A television programme started at the time shown below. It lasted for 2 h 15 min.
What time did the television programme end?



p.m.

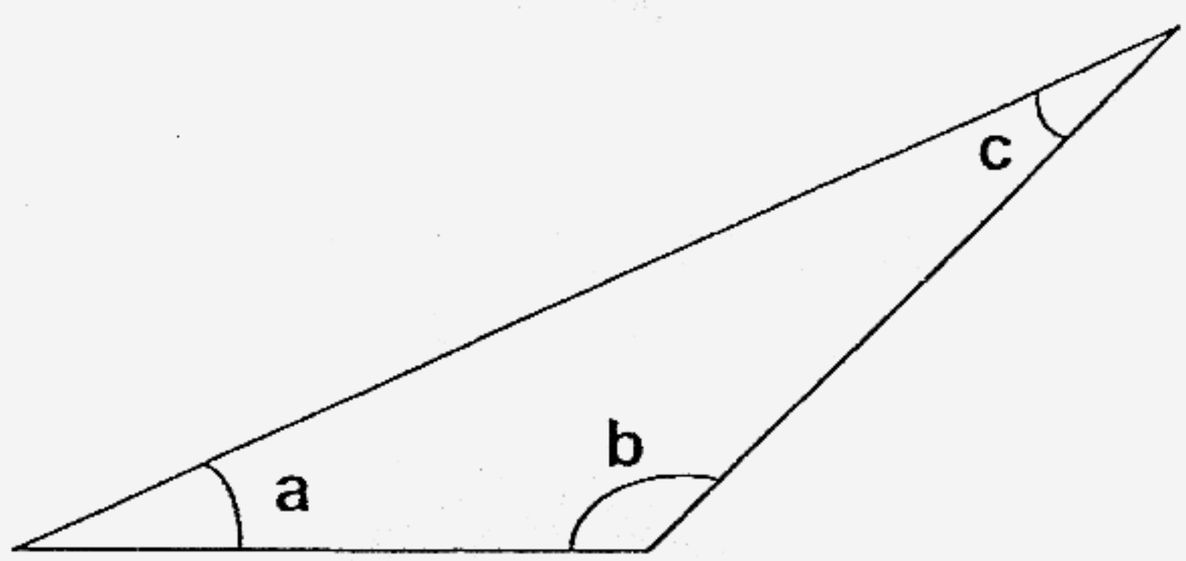
37. Jim took 1 h 20 min to complete his homework. He completed it at 4 pm.
At what time did he start doing his homework?

p.m.

38. Mr Lim started work at 8.30 am on Saturday. He left his office at 1.30 pm.
How long did he work on that day?

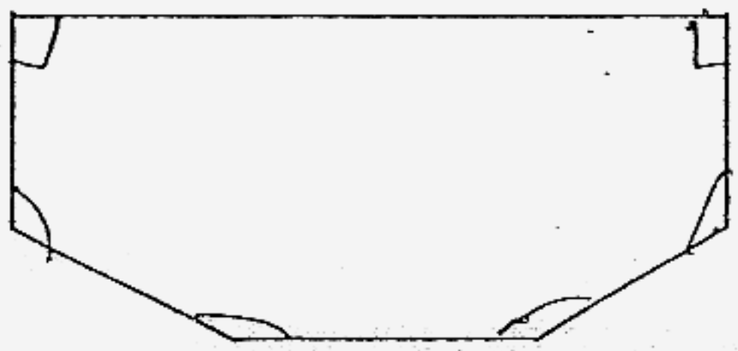
[ ] h [ ] min

39. Study the figure below, name the angle which is **greater** than a right angle.



Angle [ ]

40. How many **right angles** are there inside this figure?



[ ] right angles

Section C (5 x 4 marks)

Do the sums below and show all workings clearly.

41. There were 2 500 people at a book fair on Saturday.

1 200 more people went there on Sunday.

How many people were there at the book fair on both days?

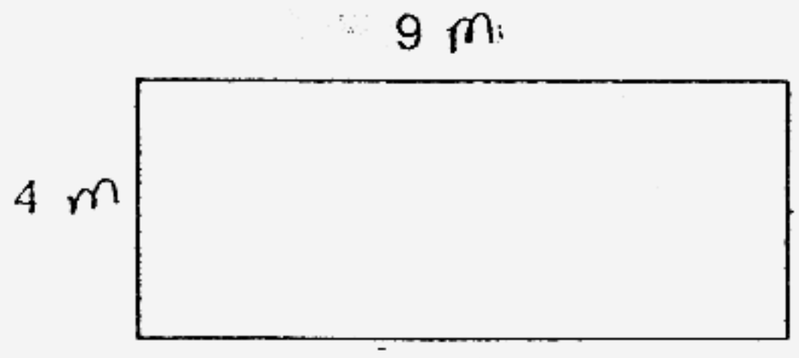
42. There are 780 durians in 3 baskets. Basket A has twice as many durians as basket B. Basket C has three times as many durians as basket B.

How many durians are there in basket C?

43. Paul has $180. He wants to buy a bicycle which costs $268.
If he saves $8 a week, how many weeks will he take to save up enough to buy the bicycle?

44. Mr Aminah bought 4 large tins of blue paint and 3 small tins of white paint.
He then mixed the paint together to paint the school hall. After painting the hall, he had 3 ℓ of paint left. How much paint did he use to paint the school hall?

45.



The figure above shows a rectangular field.

a) What is the perimeter of the field?

b) What is the area of the field?

End-of-Paper

Check your work carefully

1)	**4**	2)	**3**	3)	**1**	4)	**1**	5)	**1**
6)	**4**	7)	**2**	8)	**3**	9)	**2**	10)	**3**
11)	**2**	12)	**2**	13)	**2**	14)	**4**	15)	**3**
16)	**3**	17)	**4**	18)	**4**	19)	**3**	20)	**2**

21. 1576, 1556, 1536, 1516, **1496**, 1476

22. 869

23. 40 x 6 = 240 lollipos
240 ÷ 10 = 24 packets

24a. 8 + 2 = 10
b. 10 + 2 = 12

25. 7 x 4 = 28 toy cars
28 – 7 = 21 more toy cars

26. 98 ÷ 8 = 13 boxes

27. 24 + 16 = 40 puffs
40 x 4 = 160 puffs

28. 10 x 50 = 500m
500m – 50 = 450m

29. 1A = 3B
3b + 2B = 5B
5B = 125kg
1B = 25kg

30. 60 ÷ 3 = 20kg

31. 1500mℓ – 300mℓ = 1200mℓ
1200mℓ ÷100mℓ = 12 more glasses

32. Cars

33. 45 + 25 + 30 = 100
125 – 100 = 25 vans

34. $\frac{3}{8}, \frac{1}{2}, \frac{3}{4}$

35. $\frac{8}{8} - \frac{2}{8} - \frac{3}{8} = \frac{3}{8}$ was not eaten

36. 5.45pm = 1745hrs
1745hrs + 2h 15mins
= 200hrs = 8pm

37. 4pm = 1600hrs
1600hrs - 1hr 20min = 14 40hrs
= 2.40pm

38. 1.30pm = 1330hrs
(1330 – 0830) hrs = 5 hrs

39. Angle b

40. 2 right angles.

41. Saturday = 2500 people
Sunday = 2500 + 1200
= 3700 people
= 3700 + 2500 = 6200
There are **6200 people** on both days.

42. Basket A = 2 units
Bakset B = 1 unit
Basket C = 3 units
6units = 780
1 unit = 130
3 units = 130 x 3
= 390

Basket C has **390 durians**

43. $(268 – 180) = $88.00
$88.00 ÷ 8 = 11 weeks

He needs to **11 weeks** to save up enough to buy the bicycle.

44. 4 large paints + 3 small paints
4 x 5ℓ = 20 ℓ + 3 x 2ℓ = 6ℓ
= (20 + 6)ℓ = 26ℓ
= 26ℓ – 3ℓ = 23ℓ

He used **23ℓ** to paint the school hall.

45a. Perimeter of the field = 9 + 4 + 9 + 4 = **26m**

b. Area of the field = 9 x 4 = **36m²**