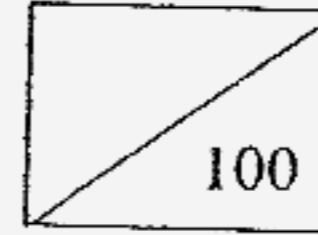**SINGAPORE CHINESE GIRLS' SCHOOL**
SECOND SEMESTRAL ASSESSMENT 2006
PRIMARY 3
MATHEMATICS

Name : _____ (   )

Class : Primary 3

Parent's Signature : _____

Date : _____

Duration : 1 h 45 mins

Marks :

/100

Section A (40 marks)

Questions 1 – 20 carry 2 marks each. For each question, 4 options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS).

1. Nine thousand, eight hundred and two written as numeral is _____.

    (1)   9082   (3)   9802

    (2)   9208   (4)   9820

2. Find the difference between 3809 and 6511.
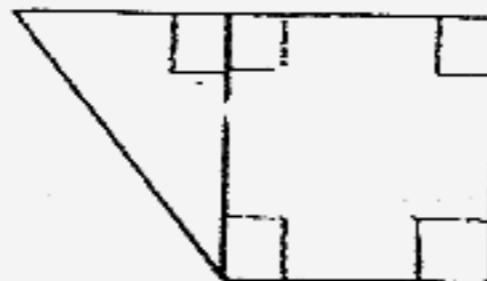
    (1)   2318   (3)   3318

    (2)   2702   (4)   3702

3. The figure below is made up of a square and a triangle. Find the number of right angles in the figure.

    (1)   7   (3)   3

    (2)   5   (4)   4

4. The figure below is not drawn to scale. Find its perimeter.

(1) 12 cm

(2) 14 cm

(3) 20 cm

(4) 24 cm

5. $8000 + 200 + 3 = \boxed{}$

The missing number in the box is _____.

(1) 8203

(2) 8230

(3) 8302

(4) 8320

6. Ann has 872 beads. She puts them into 4 boxes equally. How many beads are there in each box?

(1) 218

(2) 868

(3) 876

(4) 3488

7. Find the sum of 18 tens and 46 ones.

(1) 2260

(2) 1846

(3) 226

(4) 64

2

8. Bob has <u>five</u> $1 coins, three 50¢ coins, two 20¢ coins and three 5¢ coins in his pocket. How much did he have?

    (1) $5.75

    (3) $6.95

    (2) $6.75

    (4) $7.05

iron rod

0 10 20 30 40 50 60 70 80 90   cm

1 m

9. Cailin uses a metre ruler to measure the length of the iron rod. Find the total length of 3 similar iron rods.

    (1)   1 m 80 cm

    (3)   180 m

    (2)   2 m 10 cm

    (4)   210 m

10. Dasheng watched a movie from 2.15 p.m. to 4.05 p.m. How long was the movie?

    (1)   1 h 50 min

    (3)   2 h 10 min

    (2)   1 h 55 min

    (4)   2 h 50 min

11. What fraction of the figure below is shaded?

    (1) $\dfrac{4}{5}$

    (3) $\dfrac{5}{8}$

    (2) $\dfrac{3}{4}$

    (4) $\dfrac{4}{7}$

3

12. Figures E and F are squares and Figure G and H are rectangles. Which of the following figures has a perimeter of 20 cm?

(1)   Figure E   (3)   Figure G

(2)   Figure F   (4)   Figure H

13. 3 thousands + 3 hundreds + 3 ones = ☐

(1)   3330   (3)   3033

(2)   3303   (4)   333

14. Eddy and Fred had 366 marbles. Fred had twice as many marbles as Eddy. How many fewer marbles did Eddy have than Fred?

(1)   122   (3)   244

(2)   183   (4)   364

15. When a packet of sweets was shared among 6 children equally, there was a remainder of 3. How many sweets were there in the packet?

(1)   36   (3)   40

(2)   39   (4)   42

16. During a game, Grace lost 28 beads to Fann and twice as many to Helen. At the end of the game, she found that she had 9 beads left. How many beads did Grace have at first?

(1) 37 (3) 84

(2) 56 (4) 93

17. Box A is 40 g lighter than Box B. What is the mass of Box B if the mass of Box A is 22 kg 200 g?

(1) 21 kg 800 g (3) 22 kg 240 g

(2) 22 kg 160 g (4) 22 kg 600 g

18. Ismail cycled 3 km 550 m on Monday and 4 km 460 m on Tuesday. How far did he cycle on both days?

(1) 7 km 10 m (3) 8 km 10 m

(2) 7 km 110 m (4) 8 km 110 m

19. Which of the following fractions is the smallest?

(1) $\dfrac{1}{2}$ (3) $\dfrac{3}{4}$

(2) $\dfrac{1}{4}$ (4) $\dfrac{5}{8}$

20. Find the area of the shaded figure.
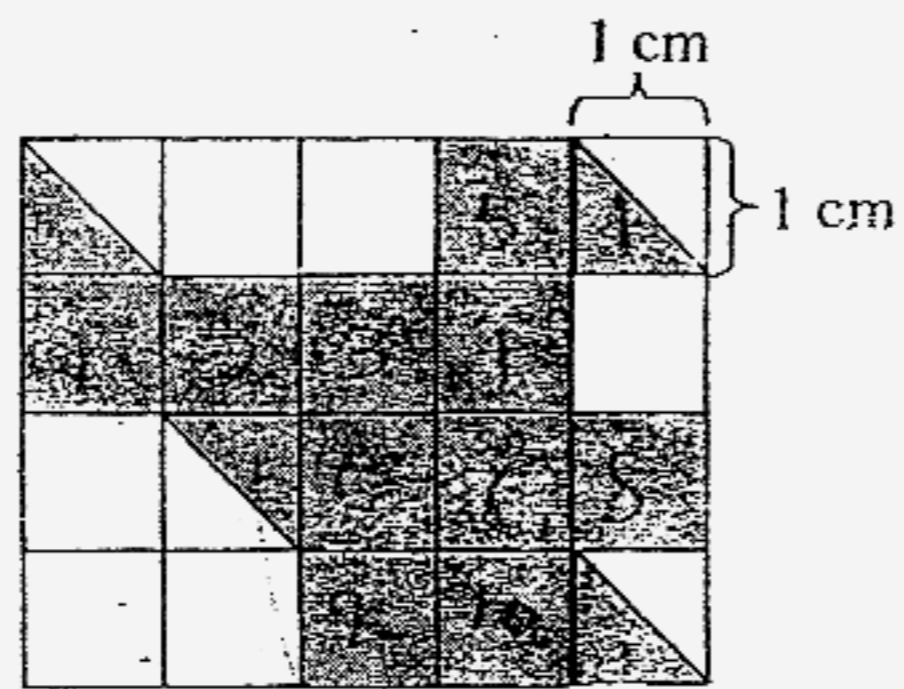
(1)   10 cm^2 (3)   14 cm^2

(2)   12 cm^2 (4)   20 cm^2

SINGAPORE CHINESE GIRLS' SCHOOL
SECOND SEMESTRAL ASSESSMENT 2006
PRIMARY 3
MATHEMATICS

Name : _____ (   )   Date : _____

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Parent's Signature : _____

Section B (40 marks)

Questions 21 – 40 carry 2 marks each. Write your answers in the blanks provided. All working must be shown clearly.

21.   When the sum of 3674 and 230 is divided by 4, the quotient is

_____.

<div align="right">Ans : _____</div>

22.   The mass of Bag A is 2 kg 300 g and the mass of Bag B is 1 kg 750 g. Find the total mass of the 2 bags.

<div align="right">Ans: _____ kg _____ g</div>

23.   Write down the missing numerator and denominator in the boxes.

$$\frac{\Box}{3} \quad , \quad \frac{4}{6} \quad , \quad \frac{8}{\Box}$$

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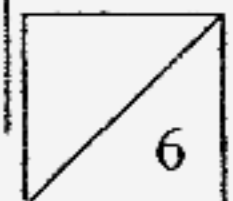
24. The figure below is made up of 1-m squares. Find its area.
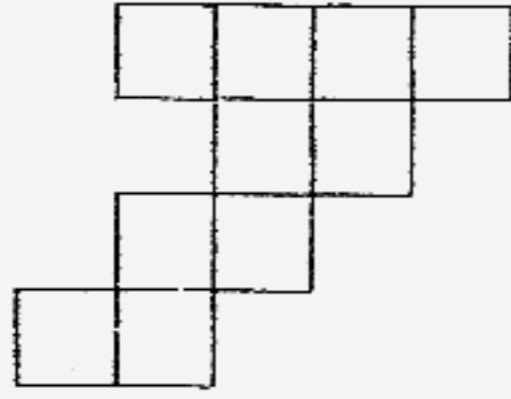
Ans: _____ m^2

25. Find the largest difference between 42 hundreds and 31 ones.

Ans: _____

26. 6 children shared a packet of sweets. 4 of them had 12 sweets each and the remaining 2 children had 25 sweets. How many sweets are there in the packet?

Ans: _____

27. Joe spent half of his pocket money on a sandwich and a can of drinks. The can of drinks cost $0.80 and the sandwich cost $1.10. Find the amount of money that he had at first.

Ans: $_____

8

www.misskoh.com
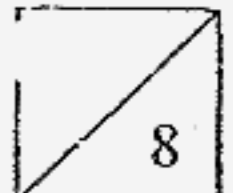
28. Katie used 2 m of cloth to make a dress and 1 m 60 cm of cloth to make a skirt. How much cloth did she use to make 2 dresses and 2 skirts?

Ans: _____ m _____ cm

29. The distance round a running track is 400 m. Limin ran 4 rounds along the track and walked 3 times round it. What distance did she cover in all?

Ans: _____ km _____ m

30. Muthu is 8 years 3 months old. His cousin, Nathan, is 8 months older than him. How old is Nathan?

Ans: _____ years ____ months

6
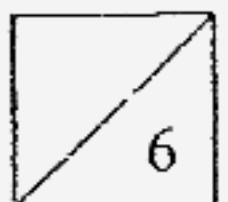
31. 30 pupils were asked to choose their favourite flavour of ice-cream. The bar graph below shows their choices.
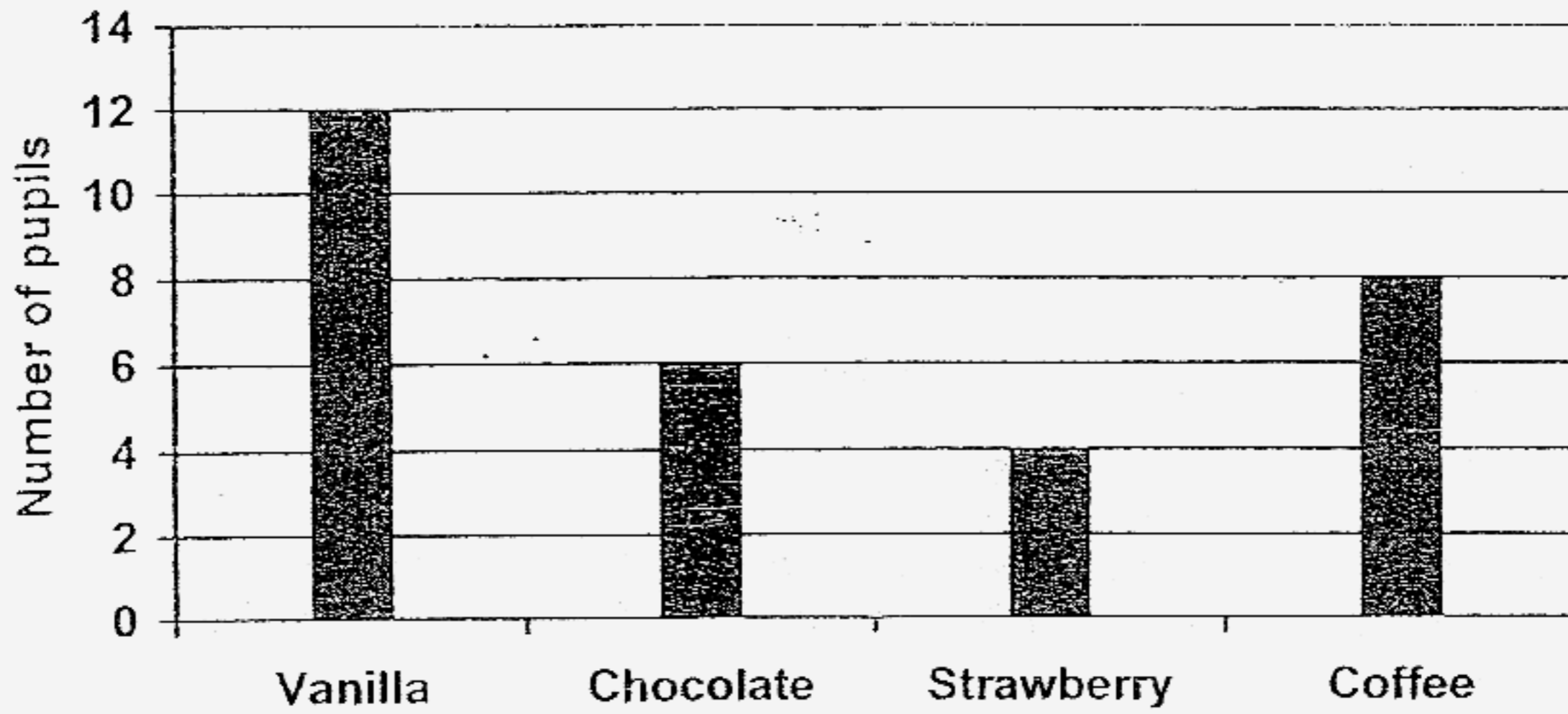
(a) Which ice-cream flavour is most popular?

(b) How many more children like coffee ice-cream than strawberry ice-cream?

Ans: (a) _____

(b) _____

32. Arrange the set of fractions in order. Begin with the biggest.

$$\frac{2}{5} \quad , \quad \frac{2}{7} \quad , \quad \frac{2}{10}$$

Ans: _____ , _____ , _____

4

33. In the figure below, how many of the 7 angles are greater than a right angle?
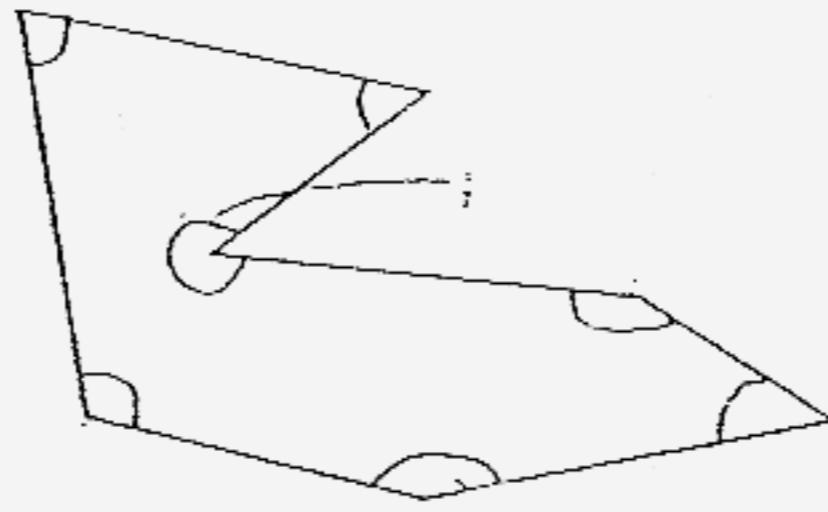
Ans: _____

34. Figures E, F and G are put together to form a new figure below. The perimeter of the new figure is 37 cm. If Figure E is a square, find the length of <u>one</u> of its side.
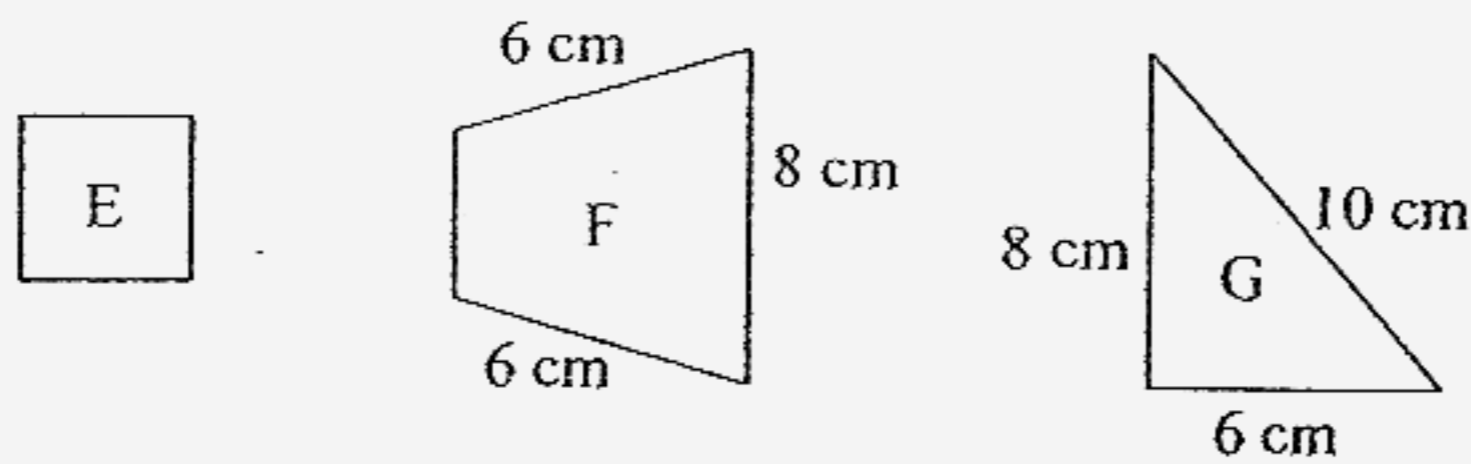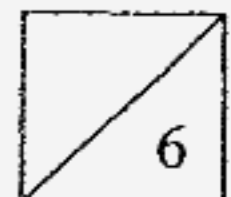

New Figure:
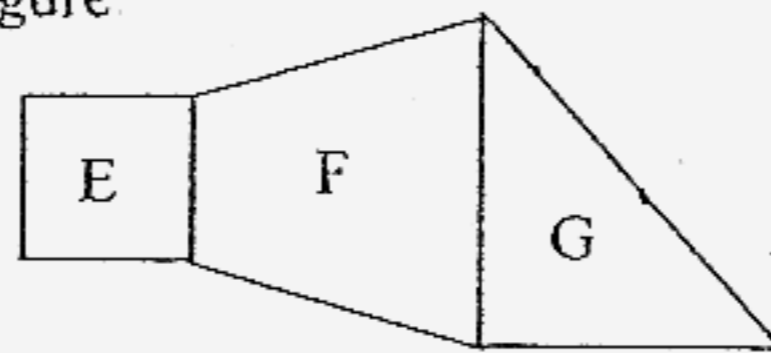
Ans: _____ cm

35. 830 = [　　] hundreds + 30 ones.

The missing number in the box is _____.

Ans: _____

6

11

36. $7000 + 600 + 50 + 2 = 70 \text{ hundreds} + \boxed{} \text{ tens} + 2 \text{ ones}$

The missing number in the box is _____.

Ans: _____

37. Mr Peh packed a box of marbles into 9 packets. After packing 236 marbles into each packet, he found that he had 128 marbles left. How many marbles were there in the box?
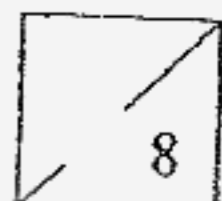
Ans: _____

38. Rahim had 200 stamps and Samad had twice as many. Terry had as many as Rahim and Samad had in total. How many stamps did Terry have?
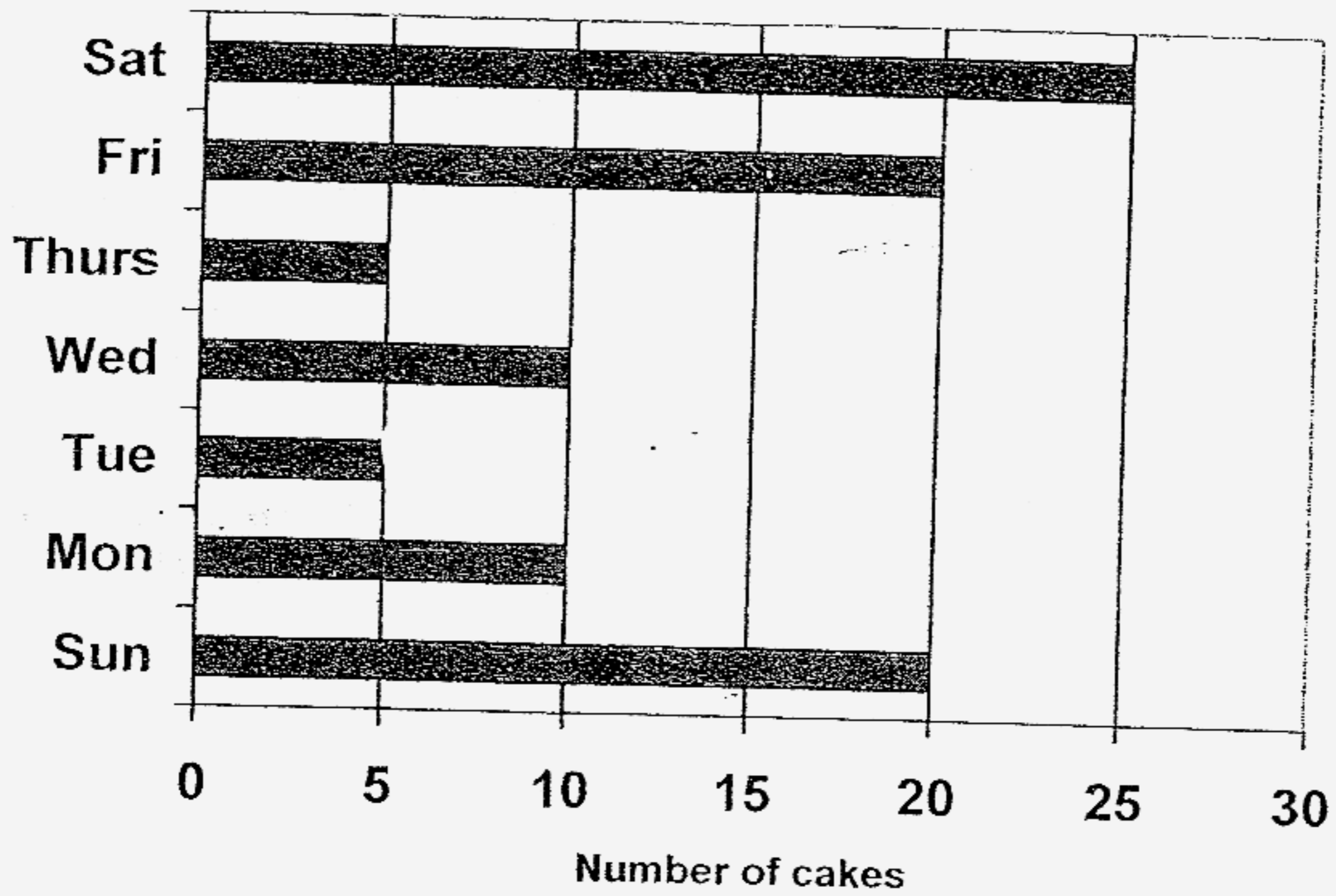
Ans: _____

39. Aili and Baolin were each given $9.20. Aili spent $5.50 and saved the rest. Baolin spent some money and saved twice as much as Aili. How much did Baolin save?

Ans: $ _____

/8

12
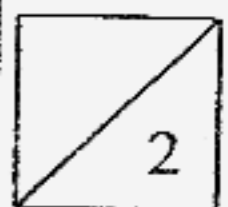
The graph below shows the number of cakes sold for a week.

40. What was the total number of cakes sold on Saturday and Sunday?
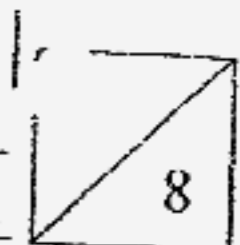
Ans: _____

Questions 41 – 45 carry 4 marks each. All working must be clearly shown.

41.   Mrs Quek made 300 pies. She sold 155 of them and gave 59 to each of her 2 friends. How many pies had she left?

Ans: _____

42.   Rex had 100 red marbles and some blue marbles. He gave 80 blue marbles to his friend and found that he had 10 fewer blue marbles than red ones. How many marbles did he have at first?

Ans: _____

8

43. Lily, Sufen and Terry bought the same kind of files and pens from a bookshop. Sufen paid $13.60 for 5 files and 6 pens and Terry paid $10.40 for 4 files and 4 pens. How much did Lily have to pay for 2 files and 4 pens?

Ans: _____

44. Mother had 12 m of ribbon. She used some of the ribbon to tie 5 similar parcels and 7 m 50 cm to decorate a room. How much ribbon did she use for each parcel?
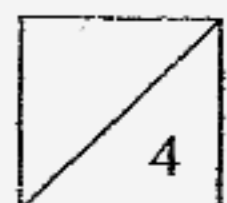
Ans: _____

8

15
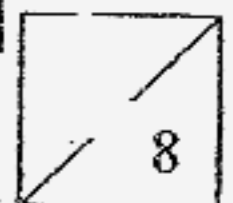
45. Zoe mixed 950 m*l* of syrup with 4*l* 150 m*l* of water. She poured the mixture into a bottle and a jug. The jug could hold 600 m*l* more than the bottle. Find the capacity of the jug.

Ans: _____

END OF PAPER
CHECK YOUR WORK

4

1)	**3**	2)	**2**	3)	**2**	4)	**4**	5)	**1**
6)	**1**	7)	**3**	8)	**4**	9)	**1**	10)	**1**

11)	**3**	12)	**4**	13)	**2**	14)	**1**	15)	**2**
16)	**4**	17)	**3**	18)	**3**	19)	**2**	20)	**2**

21. $3674 + 230 = 3904 \div 4 = 976$

22. $2kg\ 300g + 1kg\ 750\ g = 4kg\ 50g$

23. $\dfrac{2}{3}$, $\dfrac{4}{6}$, $\dfrac{8}{12}$

24. $10m^2$

25. $42 \times 100 = 4200$
$31 \times 1 = 31$
$4200 - 31 = 4169$

26. $12 \times 4 = 48$ sweets
$25 + 48 = 73$ sweets

27 $\$(0.80 + 1.10) = \$1.90$
$\$1.90 \times 2 = \$3.80$

28. ! dress   = 2m
2 dresses = 2 x 2 = 4m
1 skirt   = 1m 60cm
2 skirts   = 2 x 160cm = 320cm
(3m20cm)
(4m + 3m 20cm) = 7m 20cm

29. $4 \times 400m = 1600m$
$3 \times 400m = 1200m$
$(1600 + 1200)m = 2800m$
$= 2km\ 700m$

30. Muthu = 8years 3 months (99 months)
Nathan = (8 + 99) months
= 107 months ÷ 12
= 8 years 11 months

31a. Vanilla
  b. $8 - 4 = 4$ more children like coffee
Ice-cream

32. $\dfrac{2}{5}$, $\dfrac{2}{7}$, $\dfrac{2}{10}$

33. 4 angles

34. 3cm

35. $830 = \underline{\textbf{8}}$ hundreds + 30 ones

36. $7000 + 600 + 50 + 2 =$
70 hundreds + **65 ones** + 2 ones

37. 9 packets x 236 = 2124 marbles
    (2124 + 128) = **2252 marbles** in the box

38. Rahim = 200 stamps
    Samad = 200 x 2 = 400 stamps
    (400 + 200) = 600 stamps (Terry)

39. Aili   = $(9.20 − 5.50) = $3.70
    Baolin = $3.70 x 2 = $7.40

40. Saturday = 25
    Sunday = 20
    (25 + 20) = 45 cakes

41. 300 − 155 = 145 pies
    59 x 2 = 118 pies (given to her 2 friends)
    145 − 118 = 27 pies

    She had **27 pies** left.

42. Red marbles   = 100
    Blue marbles   = 80 (gave to his friend)
                   = 80 + 10 = 90
                   = (100 + 90 + 80)
                   = 270 marbles

    He had **270 marbles** at first.

43. Sufen   5 files + 6 pens   = $13.60
    Terry   4 files + 4 pens   = $10.40
                               = $(13.60 − 10.40)
                               = $3.20
            1 file + 2 pens   = $3.20
            2 files + 2 pens   = $(3.20 x 2)
                               = $6.40

    Lily has to pay **$6.40**

44. Ribbon = 12m (1200cm)
             = 7m 50cm (750cm)
             = (1200 − 750)cm
             = 450cm
             = 450 ÷ 5
             = 90cm

Each parcel is **90cm**

45. 4ℓ 150mℓ = 4150mℓ
     Bottle = 1ℓ (1000mℓ)
     Jug   = (1000 + 600) mℓ
             = 1600mℓ
             = (4150 − 1600)mℓ
             = 2550mℓ
             = 2ℓ 550mℓ

The jug can holds **2ℓ 550mℓ**