NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2005

PRIMARY 3

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/ 100

Name: _____ (   )

Class: Primary 3 (   )

Date: 31 October 2005

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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

(Total: 40 marks)

1. Complete the number sequence below.

5987, 5753, _____, 5285, 5051

(1) 5419   (2) 5519
(3) 5521   (4) 5529

2. What is the value of the digit 3 in 8932?

(1) 3000   (2) 300
(3) 3   (4) 30

3. Sam had 189 more stickers than Felicia. If Felicia had 230 stickers, how many stickers did they have altogether?

(1) 41   (2) 271
(3) 419   (4) 649

1

4. How many sevens are there in the sum of 317 and 82?

(1) 33
(2) 57
(3) 399
(4) 2793

5. What is the missing number in the box?

$$225 \times 8 = \boxed{} \times 8 + 147 \times 8$$

(1) 78
(2) 372
(3) 624
(4) 1800

6. Mei Ling bought 7 boxes of paper clips. Each box contained 72 paper clips. She shared the paper clips with 8 other friends. How many paper clips did each friend get?
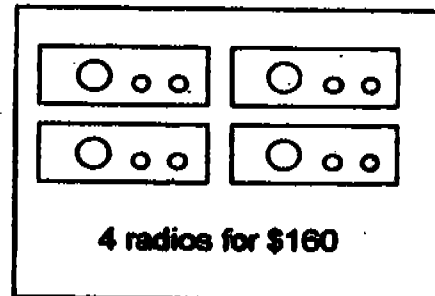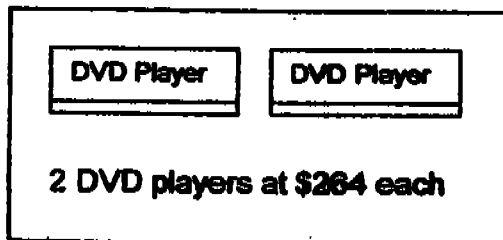
(1) 56
(2) 63
(3) 504
(4) 576

2

7. Julie has twice as many stamps as Siti. Govinda has three times as many stamps as Siti. If they have 630 stamps altogether, how many stamps does Siti have?

(1) 105   (2) 126
(3) 210   (4) 315

8. What is the total cost of all the items shown below?

| DVD Player | DVD Player |

2 DVD players at $264 each

4 radios for $160

(1) $424   (2) $528
(3) $688   (4) $1168

9. Three cats ate a total of 144 fishes in one week. Cat A ate 46 fish in a week. Cat B ate 6 fish everyday. How many fish did Cat C eat in a week?

(1) 48   (2) 56
(3) 68   (4) 92

3

10. Fatimah bought a piece of cloth, 2 m long. She used 1 m 46 cm of it to make a costume. What is the length of the cloth left?

(1) 54 cm
(2) 154 cm
(3) 346 cm
(4) 954 cm

11. Study the diagrams below.

722 g   489 g
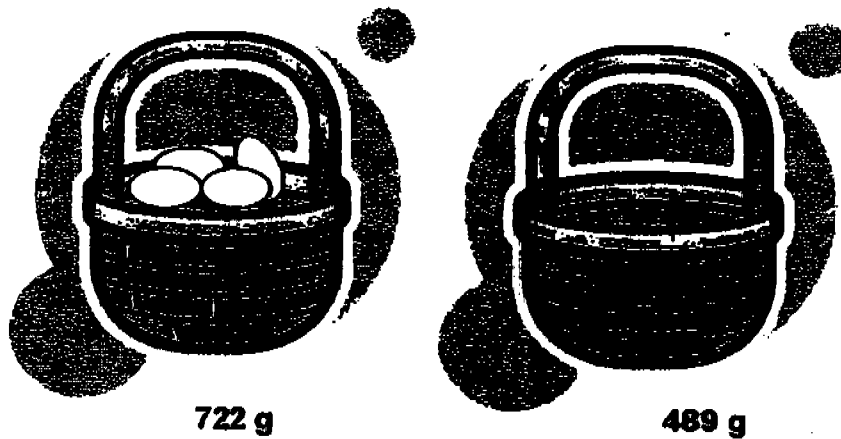
What is the difference between the mass of the basket and the mass of the eggs? (Assuming the baskets above are identical.)

(1) 233 g
(2) 256 g
(3) 995 g
(4) 1211 g

4

12. For every 5 bars of chocolate David buys, he will get 2 sweets free. How many sweets will David get if he buys 46 bars of chocolate?
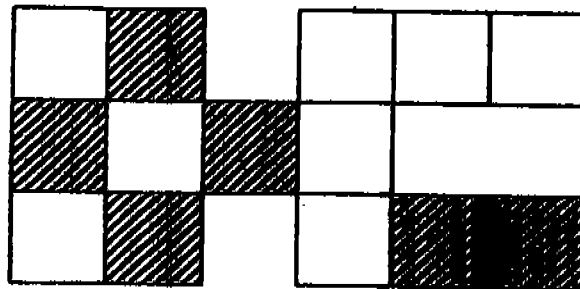
   (1) 9   (2) 18
   (3) 20   (4) 23

13. Grace made 455 *ml* of hot chocolate. She had to mix 3 packets of milk with 80 *ml* of chocolate fudge to make the drink. How much milk did each packet of milk contain?

   (1) 125 *ml*   (2) 215 *ml*
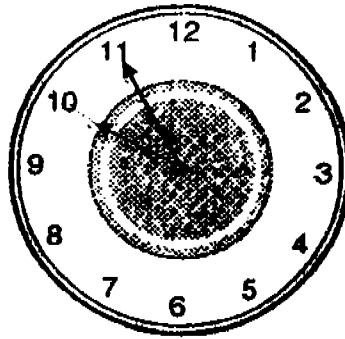   (3) 375 *ml*   (4) 535 *ml*

14. What fraction of the figure is unshaded?

   (1) $\frac{3}{7}$ (2) $\frac{8}{15}$

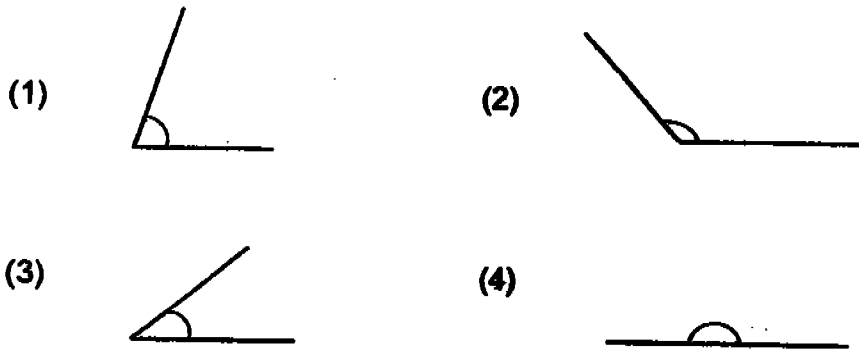   (3) $\frac{4}{7}$ (4) $\frac{3}{4}$

5

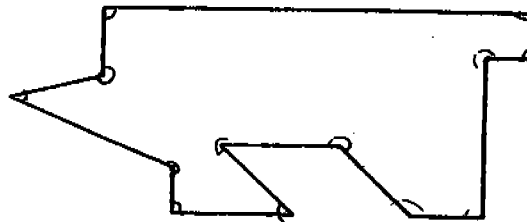15.   What is the time indicated by the clock below?

(1) 10 minutes to 11   (2) 5 minutes to 10
(3) 50 minutes to 11   (4) 55 minutes past 10

16.   Sean started watching a movie at 10.47 p.m. and it ended 2 hr 40 min
      later. At what time did the movie end?

(1) 1.27 p.m.   (2) 1.27 a.m.
(3) 12.87 p.m.   (4) 12.87 a.m.

6
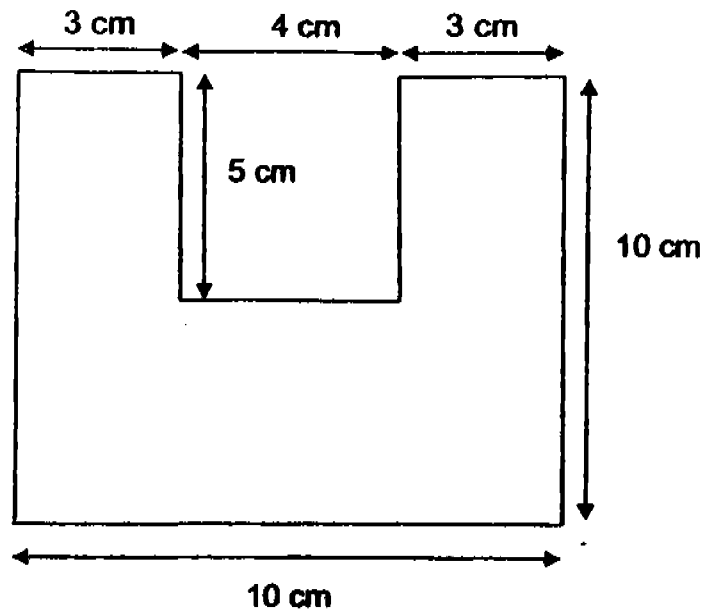
17. Which one of the following angles is the smallest?

(1)

(2)

(3)

(4)

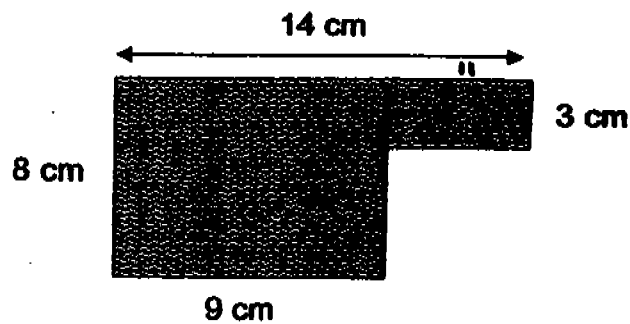18. How many angles are there in the figure below?

(1) 13

(2) 12

(3) 8

(4) 5

19.   Find the perimeter of the figure below.

(1) 35 cm
(3) 46 cm

(2) 45 cm
(4) 50 cm

20.   Find the area of the figure below.

(1) 44 cm^2
(3) 87 cm^2

(2) 72 cm^2
(4) 112 cm^2

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 number is 100 more than 4921?

Ans: _____

22.   Using all the numbers below, form the largest four-digit <u>even</u> number.

Ans: _____

23.   In a quiz, Muthu, Joshua and Xinyi scored a total of 297 points. If Joshua and Muthu scored a total of 128 points, how many more points did Xinyi score than both Joshua and Muthu in total?

Ans: _____

24. There were 747 adults and three times as many children at a concert. If there were 852 girls, how many boys were at the concert?
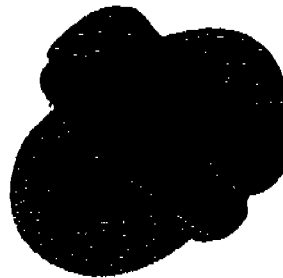
Ans: _____

25. Jimmy had 1503 key chains. He packed them equally into 9 boxes. If he sold each key chain for $4, how much did he collect from the sale of one box of key chains?

Ans: $ _____

26. Study the pictures below.

$19.90 $49.55

A pair of pants cost $10.60 less than a pair of shoes. Find the total cost of the 3 items.

Ans: $ _____

27. Suzie had 9 fifty-cent coins and 15 ten-cent coins. If she gave $3.25 to her brother, how much money would she have left?

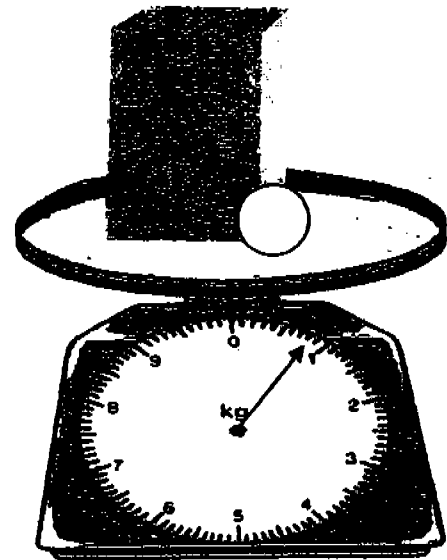Ans: $ _____

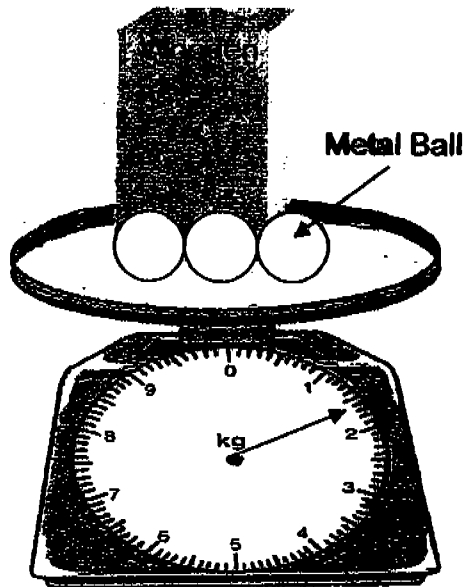28. 8 km 2 m − 2 km 30 m = _____ km _____ m

Ans: _____ km _____ m

29. In the diagram below, there are 3 wires connected to the television. Wire C is 89 cm longer than Wire B. The total length of the 3 wires is 2 m 7 cm. Find the length of Wire A.
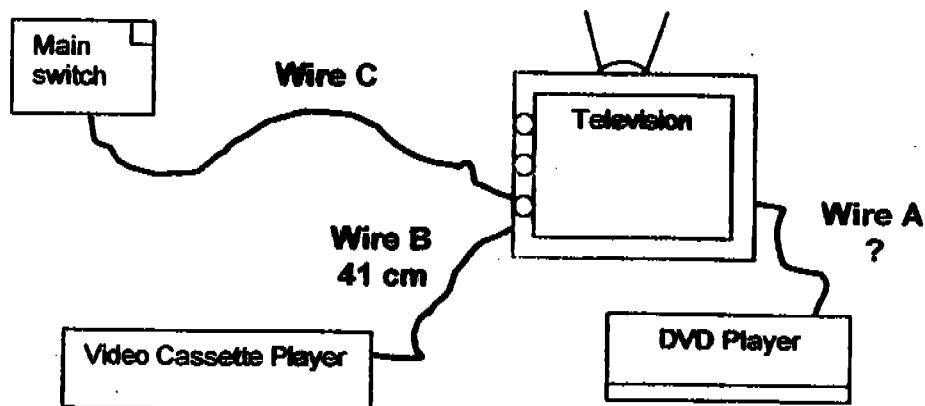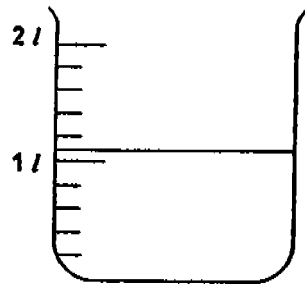

Ans: _____ cm

30. Study the diagrams below.

Metal Ball

What is the mass of one metal ball?
(Assuming the wooden blocks and metal balls are identical.)

Ans: _____ g

31. Raju was paid $1080 in September. There were 4 weeks in that month and he worked 6 days a week. How much was Raju paid per day?

Ans: $ _____

32. How many cups of water are needed to fill the beaker up to 2 litres?

Beaker

2 *l*

1 *l*

Cup

300 *ml*

Ans: _____

33. Meili has a container with a capacity of 30 *l*. After putting in 7 *l* of hot water and some cold water, the container is half-filled. How much cold water did she put in?

Ans: _____ *l*

13

34. The graph below shows the number of cakes Ali sold from Monday to Thursday.

Number of cakes sold from Monday to Thursday
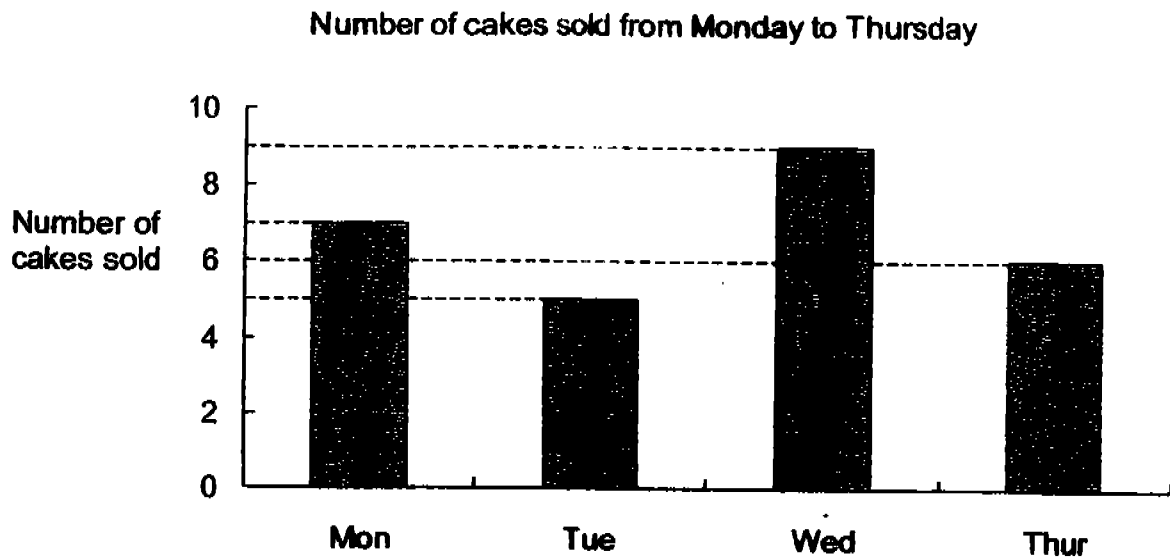
If Ali sold each cake for $8, what was the total amount of money he made on the days when he sold the most and least cakes?
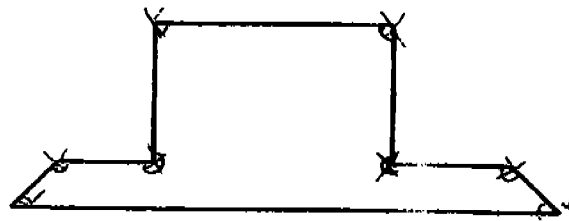
Ans: $ _____

35. John was at the library from 10.25 a.m. to 2.45 p.m. How long did he stay in the library?

Ans: _____ hr _____ min

14

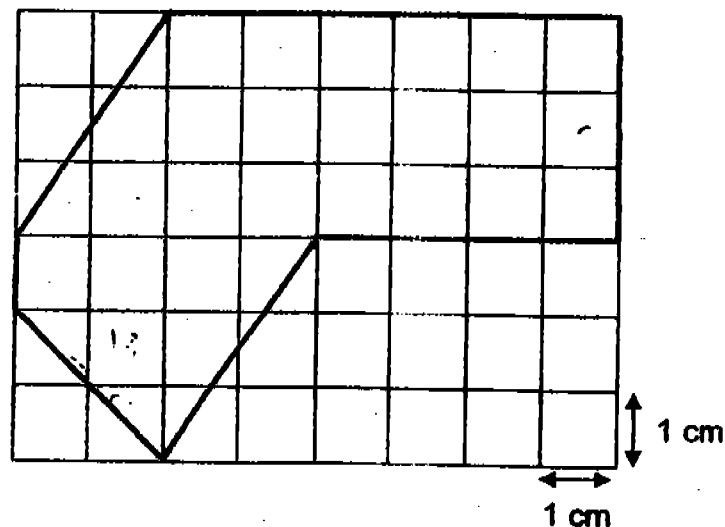36. Kamal is 25 years and 9 months old. Susan is 37 months older than him. What is Susan's age?

Ans: ____ yrs ____ mths

37. Study the figure below.
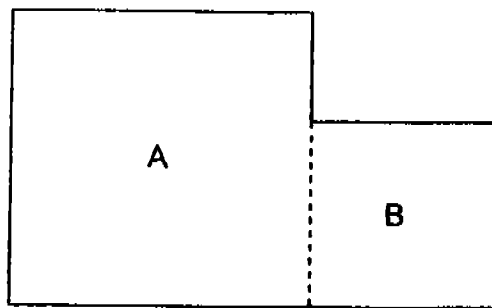How many angles in the figure are smaller than a right angle?

Ans: _____

38. Find the area of the figure in the grid below.

1 cm

1 cm

Ans: _____ cm²

39. The figure below is made up of 2 squares. The area of A is 64 cm^2 and the area of B is 25 cm^2. Find the perimeter of the figure.

Ans: _____ cm

40. Ahmad, Bala, Carol, Diana and Elizabeth sat in a row. Carol sat at the last seat. Only Elizabeth sat between Bala and Diana. Ahmad did not sit in the 1st seat. Which seat did Elizabeth sit in?


Last seat

Ans. _____

16
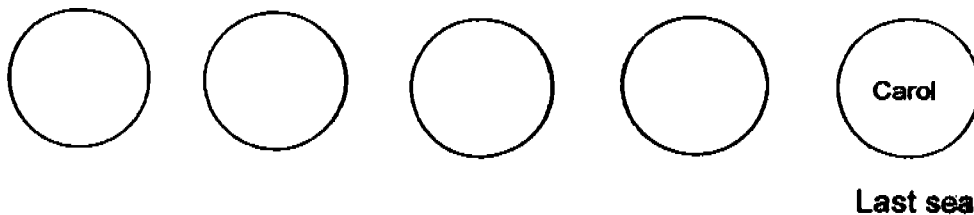
Questions 41 to 45 carry 4 marks each. Show your working clearly in the space below each question.

(Total: 20 marks)

41. Khairul has some identical marbles and jars. Each marble weighs 7 g. After putting 8 marbles in each jar, he has 6 marbles left. If the total mass of all the marbles is 714 g, how many jars of marbles does he have in all?

42. On Saturdays and Sundays, Michelle would cycle from her house to the playground and back. On weekdays, she would cycle only half the distance between her house and the playground and back. What is the total distance Michelle cycles on Friday and Saturday?

890 m

Michelle's house

Playground
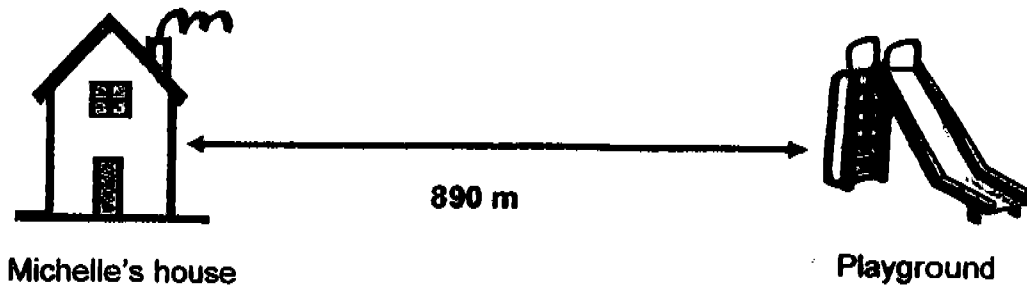
43. The graph below shows how Karim spent his monthly pocket money.

Karim's Monthly Expenditure
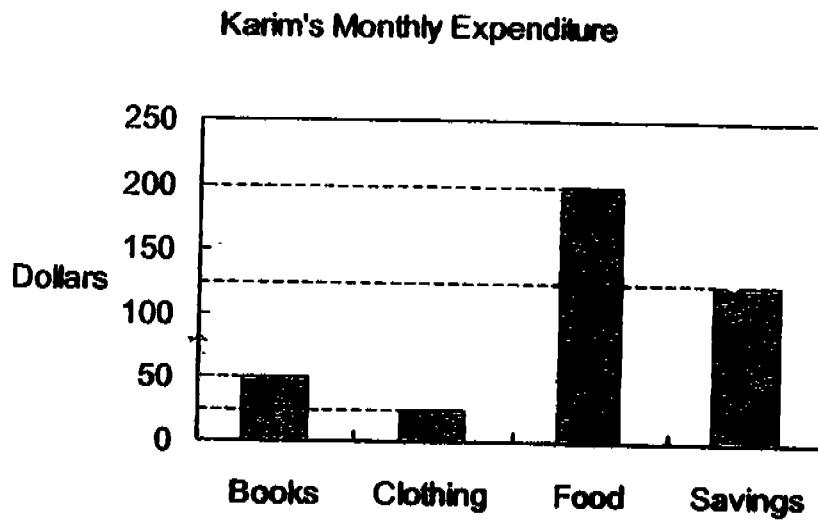
a) The amount Karim spent on food was 4 times the amount he spent on a particular item. What was this item?

b) How much was Karim's monthly pocket money?

c) How much money would he save in half a year?

19

20

44. Three children were given the same amount of money to spend in Disneyland. The table below shows the fraction of money each child had spent.

Name	Edmund	Keith	Jane
Fraction of money spent	$\frac{1}{5}$	$\frac{3}{4}$	$\frac{6}{10}$

(a) Who spent the most money in Disneyland?

(b) Arrange the above fractions in order beginning with the greatest.

20

45. The figure below shows a wall with a window. If it costs $9 to paint 1 m^2 of the wall, what is the total cost to paint the wall?
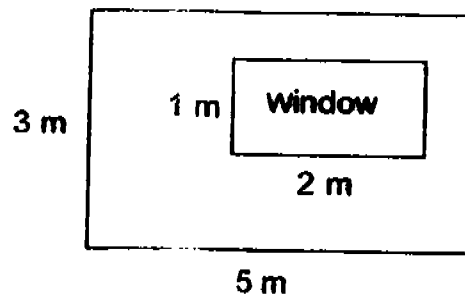
@ **End of Paper** @

Please Check Carefully.

Setters:

Mrs. Charlotte Lek

Mr. Mohammad Sharil Hassan

21

1) 2

2) 4

3) 4

4) 2

5) 1

6) 2

7) 1

8) 4

9) 2

10) 1

11) 1

12) 2

13) 1

14) 3

15) 2

16) 2

17) 3

18) 1

19) 4

20) 3

21) 5021

22) 8752

23) 41

24) 1389

25) 668

26) $ 108.40

27) $ 2.75

28) 5 km 972 m

29) 36

30) 400

31) 45

32) 3

33) 8 litres

34) $ 112

35) 4 hour 20 min

36) 28 years 10 months

37) 2

38) 28

39) 42

40) 2 nd

41) 102 marbles

42) 2760 m

43) a) books

    b) $ 400

    c) $ 750

44) Keith

    b) 3/4   6/10   1/5

45) $ 117