RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2
2012

Your Score Out of 100 marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

Name : _____ ( ) Class: P3__

23 Oct 2012 MATHEMATICS Att: 1 h 45 min

SECTION A (40 marks)

Question 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). Write your answer (1, 2, 3 or 4) in the brackets provided.

1. Which of the following is 100 more than 5241?

   (1) 5141

   (2) 5251

   (3) 5341

   (4) 6241 ( )

2. Find the sum of 478 and 224.

   (1) 254

   (2) 294

   (3) 692

   (4) 702 ( )

3. Express 5 m 7 cm in centimetres.

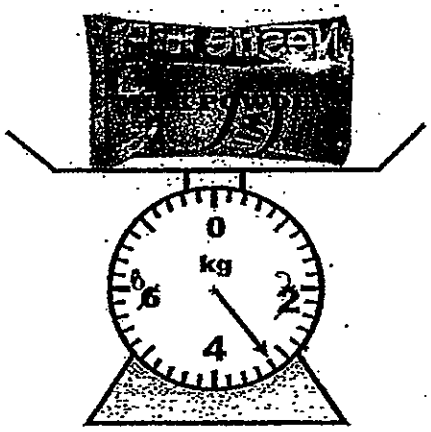
(1) 57 cm

(2) 507 cm

(3) 570 cm

(4) 5007 cm ( )

4. Look at the figure below. What is the mass of the packet of milk powder?



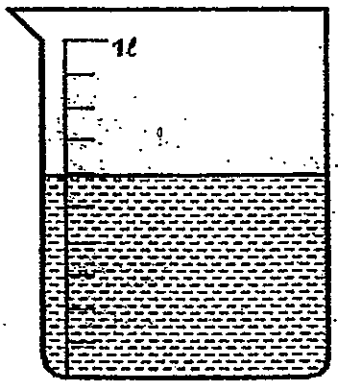
(1) 3 kg 200 g

(2) 3 kg 100 g

(3) 2 kg 600 g

(4) 2 kg 60 g ( )

5. Look at the beaker below. How much more water is needed to fill it up to 1 litre?



(1) 40 mℓ

(2) 60 mℓ

(3) 400 mℓ

(4) 600 mℓ ( )

6. Express 2 h 20 minutes in minutes.

(1) 140 min

(2) 220 min

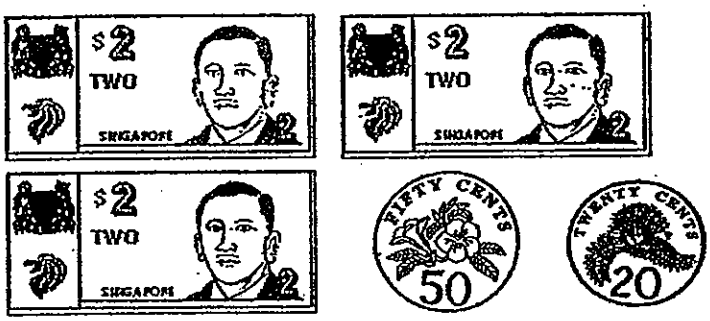
(3) 1400 min

(4) 2020 min ( )

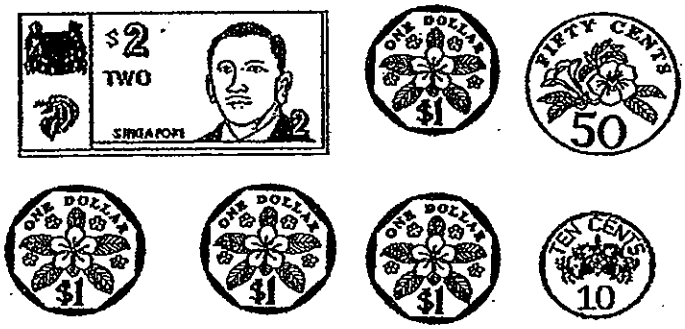
7. Kim has $6.60. Which set of money has she?

(1)

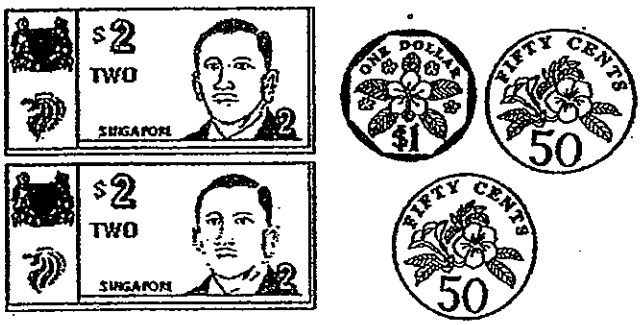
(2)



(3)

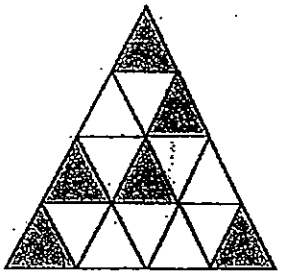


(4)



( )

8. The triangle below is divided into equal parts. What fraction of the triangle is **shaded**?



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

(2) $\frac{3}{5}$

(3) $\frac{3}{8}$

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

9. Ravi has to pack 465 oranges into bags. The greatest number of oranges each bag can hold is 9. What is the least number of bags Ravi needs?

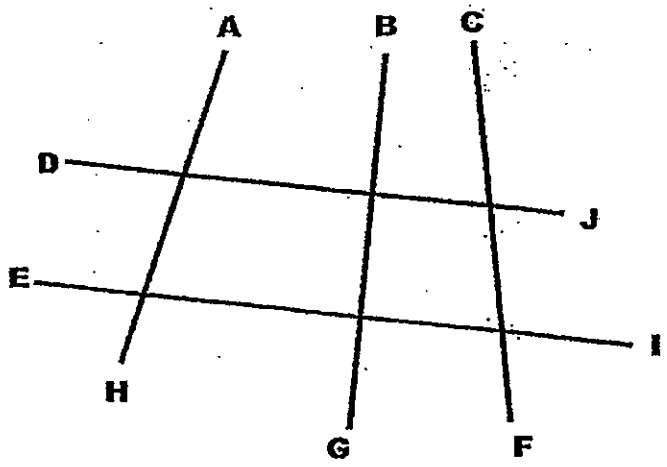
(1) 6

(2) 7

(3) 51

(4) 52 ( )

10. In the figure below, which two lines are parallel?



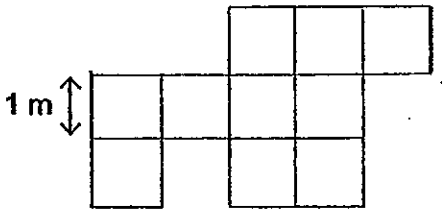
(1) AH and BG

(2) BG and DJ

(3) CF and BG

(4) DJ and EI ( )

11. The figure below is made up of identical squares.
The perimeter of the figure is _____ m.



(1) 10

(2) 17

(3) 18

(4) 29 ( )

12. Mrs Lim had 3 kg of flour. She had 450 g of flour left after making some bread. What was the mass of flour she used to make the bread?

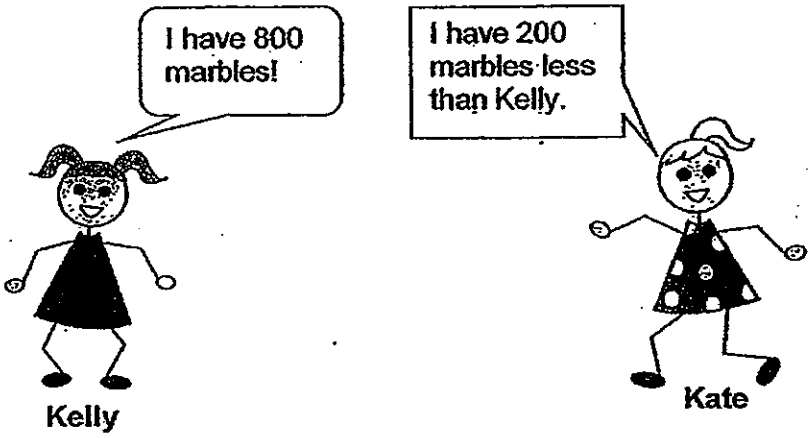
(1) 3 kg 450 g

(2) 2 kg 550 g

(3) 2 kg 450 g

(4) 1 kg 550 g ( )

13.



How many marbles do the two girls have altogether?

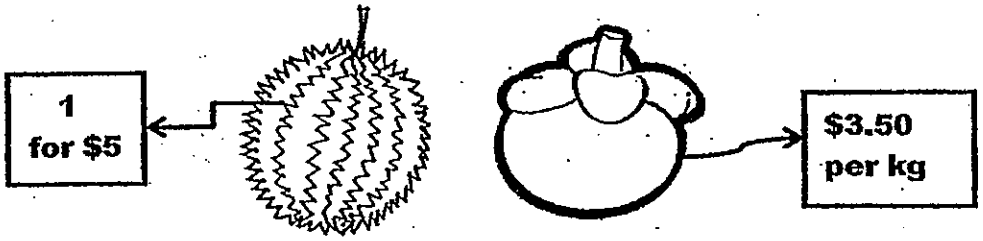
(1) 400

(2) 600

(3) 1400

(4) 1800 ( )

14. Each durian cost $5 and 1 kg of mangosteen cost $3.50. Mr Wong bought one durian and 2 kg of mangosteens. He gave the fruit seller $20. What was his change?



(1) $12.00

(2) $11.50

(3) $8.50

(4) $8.00 ( )

15. Mary started practising her Chinese calligraphy at 2.50 p.m.. She stopped practising at 4.45 p.m.. How long did she practise her Chinese calligraphy?

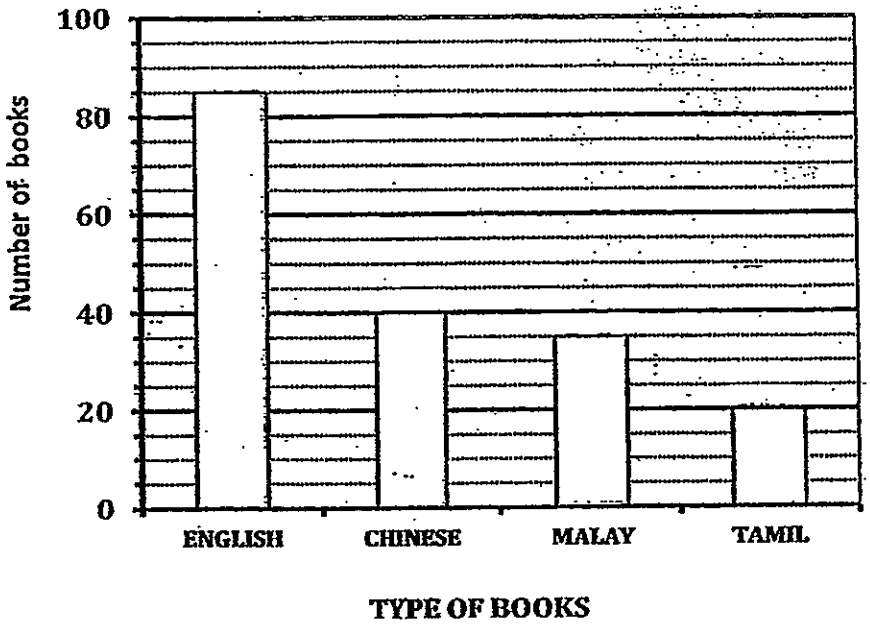
(1) 1h 55min

(2) 1h 95min

(3) 6h 95min

(4) 7h 35min ( )

16. The bar graph below shows the type of books that pupils from a class borrowed from the library in one month.



Find the total number of English and Malay books the class borrowed from the library in one month.

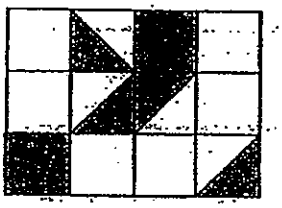
1) 125

2) 120

3) 110

4) 105 ( )

17. The figure below is made up of 12 identical squares.



What fraction of the figure is **unshaded** ?

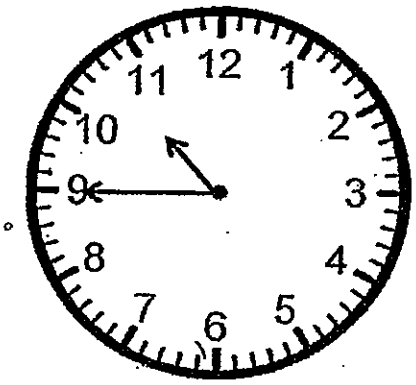
(1) $\frac{1}{2}$

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

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

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

18. The clock below shows Jill's bedtime. What time does she go to bed every night?



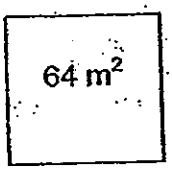
(1) 9.53 a.m.

(2) 10.45 a.m.

(3) 9.53 p.m.

(4) 10.45 p.m. ( )

19. The area of the square below is 64 m^2.
Its perimeter is _____ m.



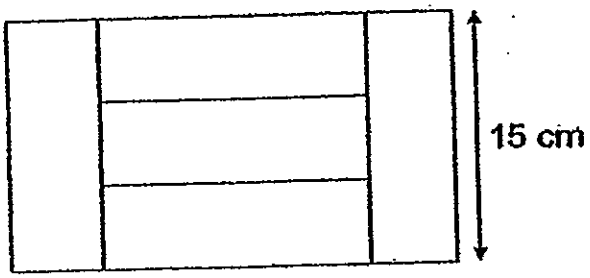
(1) 8

(2) 16

(3) 24

(4) 32 ( )

20. The figure below is made up of five identical rectangles. The area of one rectangle is _____ cm^2.



(1) 25

(2) 30

(3) 40

(4) 75 ( )

//

SECTION B (40 marks)

Question 21 to 40 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

21. The digit '6' in 9638 stands for _____.

Ans: _____

22. Find the difference between 2149 and 5087.

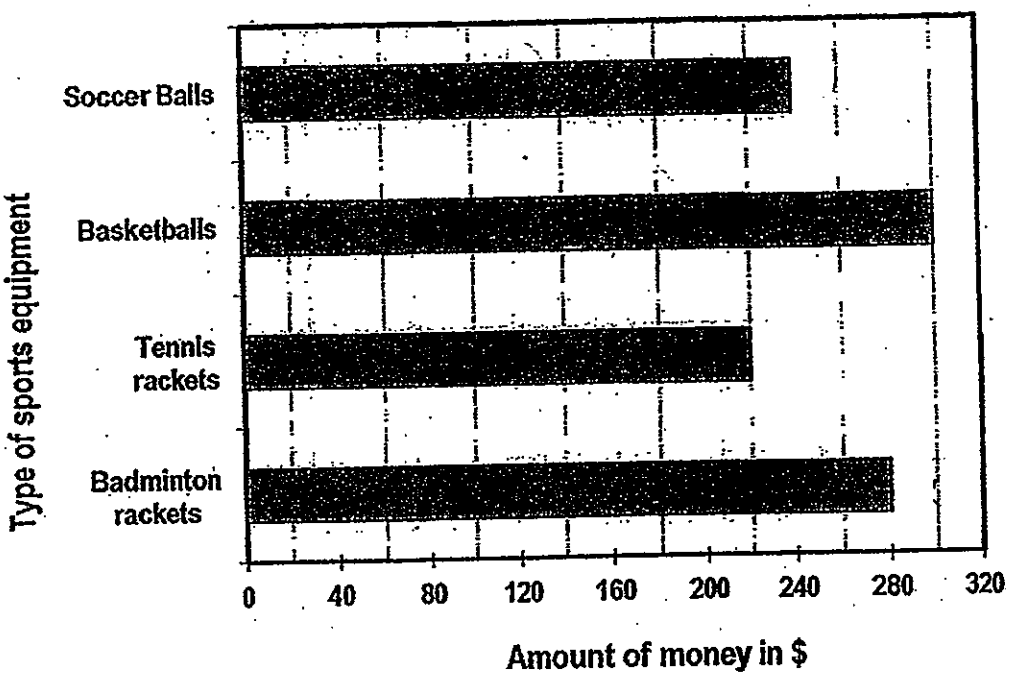
Ans: _____

23. 240 x 8 = _____

Ans: _____

Study the graph shown below. It shows the amount of money collected by a sports shop from selling sports equipment in a day.

Use the graph below to answer **Questions 24 and 25.**



24. ~~The~~ Which sports shop collected the most money from selling ~~this~~ which type of sports equipment.

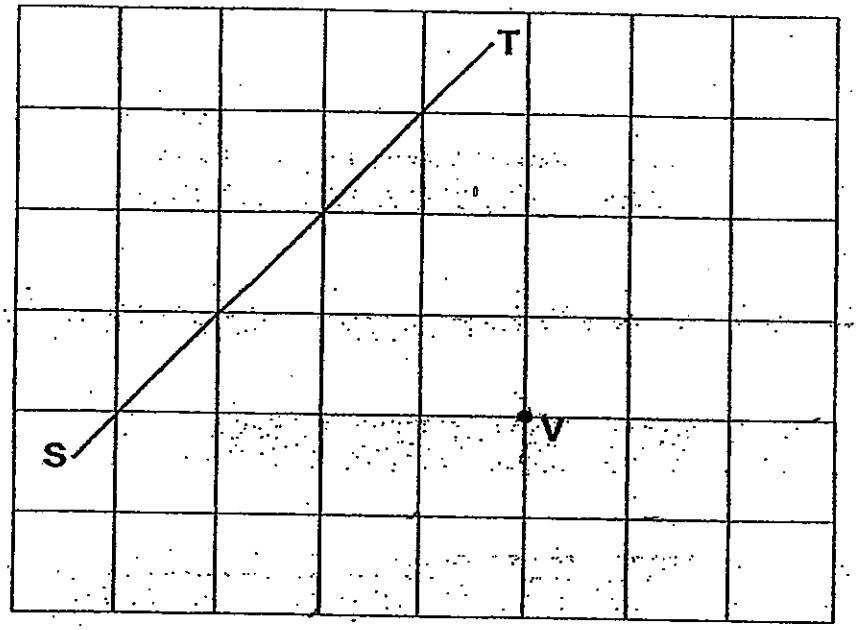
Ans: _____

25. What was the total amount of money collected by the shop on that day?

Ans: $_____

13

26. Draw a line that is parallel to line ST and passing through point V.



27. The length of the rectangle below is 4 times its breadth. Find its area.

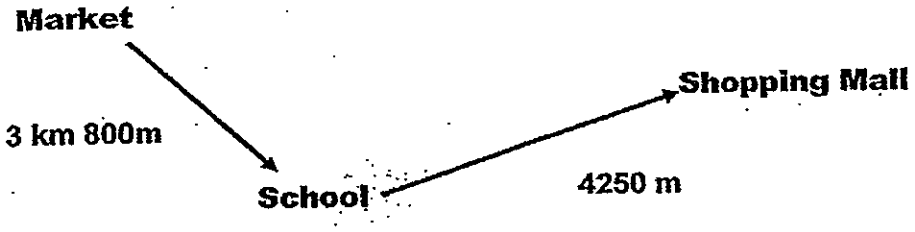
Ans: _____ cm^2

28. Look at the numbers below.
Choose the greatest number and write it in words.

3891 3198 3918 3189

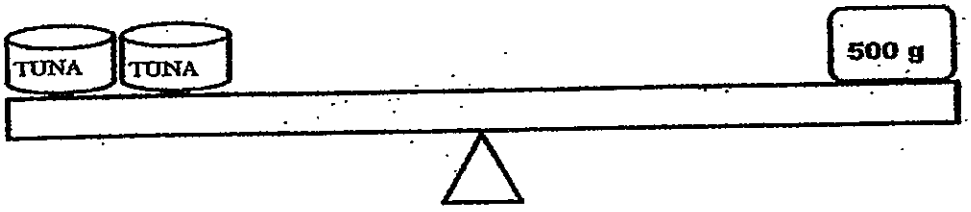
Ans: _____

29. Fatimah travelled from the Market to the School and then to the Shopping Mall.
Find the total distance she travelled.
Give your answer in kilometres and metres.



Ans: _____ km_____m

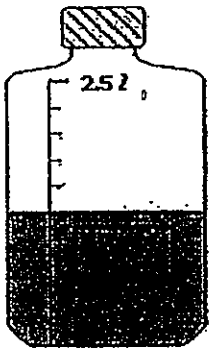
30. Look at the diagram below. Find the mass of 7 tins of tuna.



Ans: _____ kg _____ g

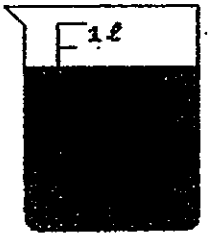
15.

31. Which container has the largest volume of liquid?

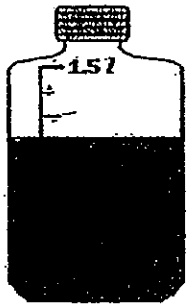


Container A

Container B



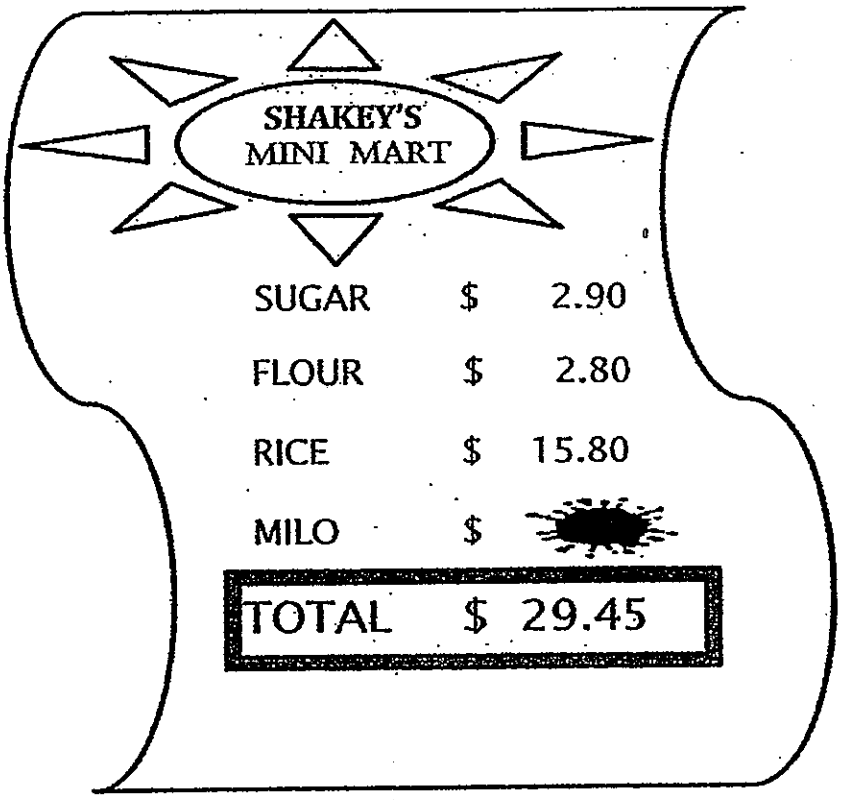
Container C



Container D

Ans: Container _____

32. Look at the bill below.



How much did the Milo cost?

Ans: $ _____

33. Arrange the following fractions in descending order.

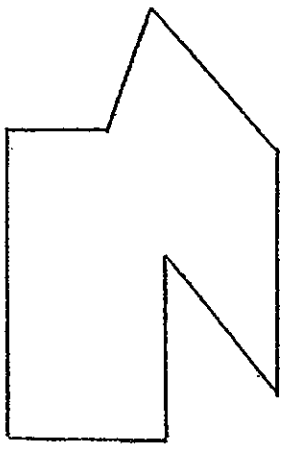
$\frac{1}{2}$ $\frac{5}{6}$ $\frac{1}{3}$

Ans: _____, _____, _____

34. Mrs Eng cut a pizza into 9 equal pieces. She ate $\frac{1}{3}$ of it. She gave her niece and nephew 2 pieces each. What fraction of the pizza was left?

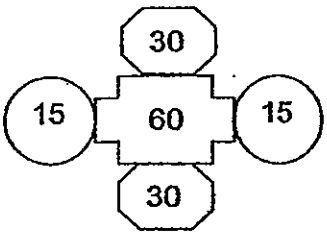
Ans: _____

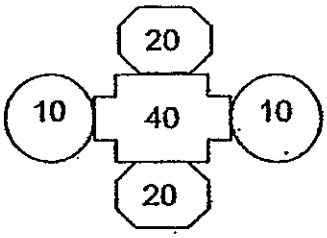
35. In the figure below, how many angles within the figure are greater than a right angle?

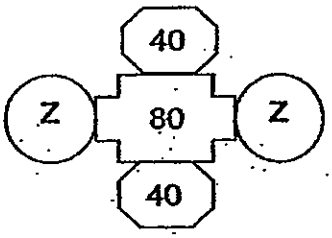


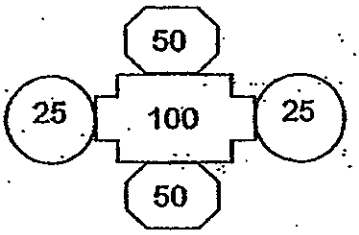
Ans: _____

36. Complete the number pattern. What is the value of Z?



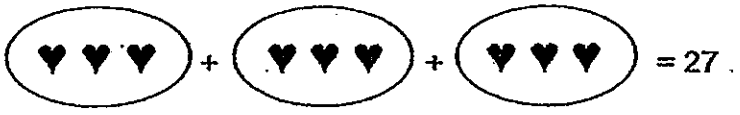


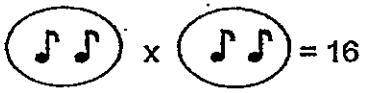




Ans: _____

37.



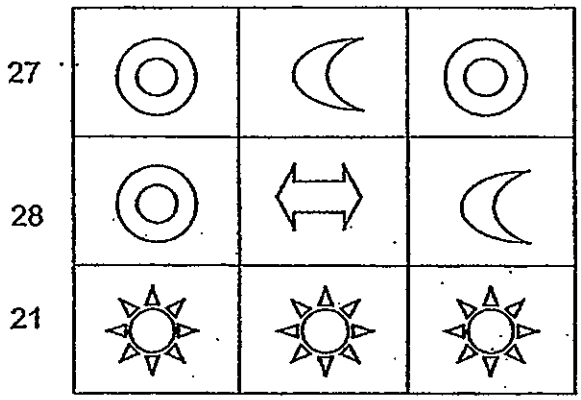


Find the value of ♥ x ♪.

Ans: _____

38. Study the figure below.

Find the value of 



Ans: _____

39. Hasnah had 3 fifty-dollar notes. She bought two blouses at $46.50 each. She also bought a pair of shoes. She had $28.60 left. How much money did the shoes cost?

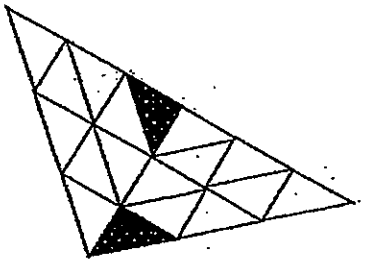
Ans: _____

40. The figure below is made up of identical triangles.

Xiao Shan has to shade $\frac{2}{3}$ of the figure.

2 triangles are already shaded for her.

How many more triangles must she shade?



Ans: _____

D/

SECTION C (20 marks)

For Questions 41 to 46, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

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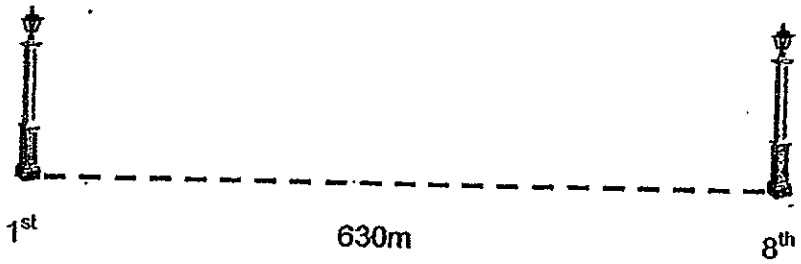
41. Fatimah has \$48.30. She has \$32.50 more than Kate. What is the total amount of money both girls have?

Ans: _____ [3]

42. There are 8 lamp posts along a road. The distance between each lamp post is equal. The distance between the first lamp post and last lamp post is 630m. What is the distance between the first and 5th lamp post?



Ans: _____ [3]

43. Cheryl had 700 mangoes. She gave away 100 of them to her friends and packed the rest equally into 7 boxes and had 33 mangoes left. How many mangoes were there in one box?

Ans: _____ [3]

44. Rose has 18 pets which consist of chicks and rabbits.
There are a total of 42 more rabbit legs than the chicks.
How many of her pets are chicks?

Ans: _____ [3]

45. Keith had 48 counters in white, yellow and green colour. Half of the counters were white and $\frac{1}{6}$ of them were green. The remaining counters were yellow.

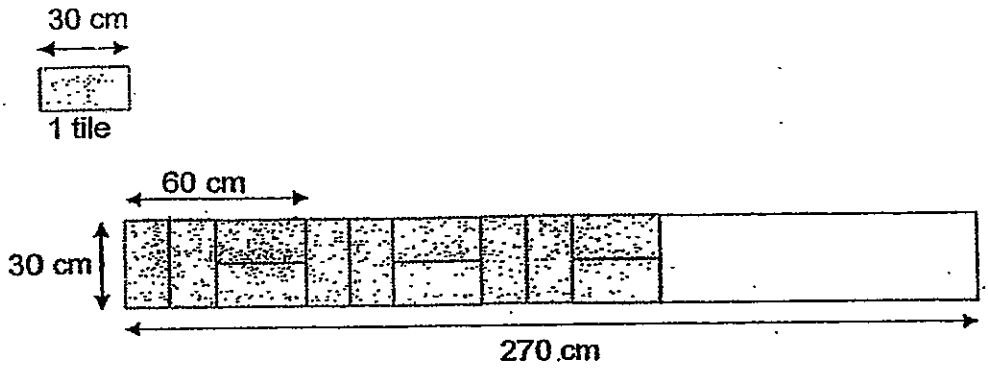
a) How many counters were yellow?

b) What fraction of the counters was yellow?

Ans: a) _____ [3]

b) _____ [1]

46. Nadirah has to cover a rectangular wall pattern, 270 cm long by 30 cm wide, with identical rectangular tiles by using the tiling pattern shown below.



a) What is the breadth of one tile?

b) How many tiles did she use altogether to cover the rectangular wall pattern?

Ans: (a) _____ [1]

(b) _____ [3]

-End of Paper-

Please check your work carefully ☺

Setters: Miss Chong JQ & Mrs Tan CP

ANSWER SHEET

EXAM PAPER 2012

SCHOOL : RAFFLES GIRLS'
SUBJECT : PRIMARY 3 MATHEMATICS

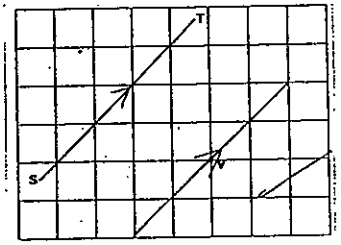
TERM : SA2

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

Q18	Q19	Q20
4	4	4

21)600 **22)2938** **23)1920** **24)Basketballs** **25)$1040**

26)



27)36cm2 **28)three thousand, nine hundred and eighteen**

29)3800 + 4250 = 8km 50m

30)500÷2 = 250
250 x 7 = 1kg 750g

31)A

27.

32)$15.80 + $2.90 + $2.80 = $21.50
$29.45 – $21.50 = $7.95

33)5/6, ½, 1/3

34)3/9 + 4/9 = 7/9
1 – 7/9 = 2/9

35)3 angles

36)20

37)6

38)9

39)$150 – $121.60 = $28.40

40)10

41)$48.30 – $32.50 = $15.80
$15.80 + $48.30 = $64.10

42)630 ÷ 7 = 90
90 x 4 = 360m

43)700 – 100 = 600
600 – 33 = 567
567 ÷ 7 = 81
There were 81 mangoes in one box.

44)

Rabbits	Chicks	Total	Check
62 legs	20 legs	15+10 =25	X
52 legs	10 legs	13+5 =18	√

There were 5 chicks

45)Green→8/48
White→24/48

24/48 + 8/48 = 32/48
48/48 – 32/48 = 16/48
16/18 = 2/6 = 1/3
16 counters were yellow
The fraction is 1/3

46)a)1 rectangle→Length →30cm
Breadth→15cm

b)18 tiles