

SA2

TAO NAN SCHOOL
Primary Five End-of-Year Mathematics Examination - 2004

Name : _____ () Date : 3 November 2004

Class : Primary 5 () Time : 1.25 p.m. to 3.40 p.m.

Parent's Signature : _____ Marks : _____ / 100

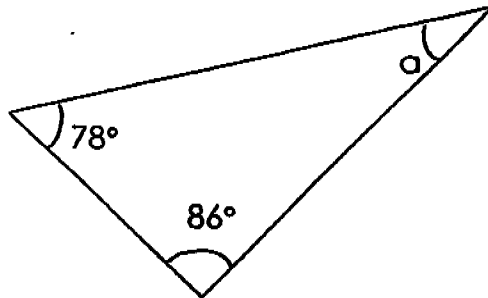
Section A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 6 to 15 carry 2 marks each. For each question, four options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4) and shade the appropriate ovals on the Optical Answer Sheet.

1. $233\ 056 = 200\ 000 + 30\ 000 + \underline{\hspace{2cm}} + 56$

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

2. The following figure is not drawn to scale. $\angle a$ is _____°.



- (1) 16
- (2) 102
- (3) 164
- (4) 344

3. $267\text{g} + 1839\text{g} = \underline{\hspace{2cm}}\text{kg}$

- (1) 2.106
- (2) 21.06
- (3) 210.6
- (4) 2106

4. Express 34% as a fraction in its simplest form. The answer is _____.

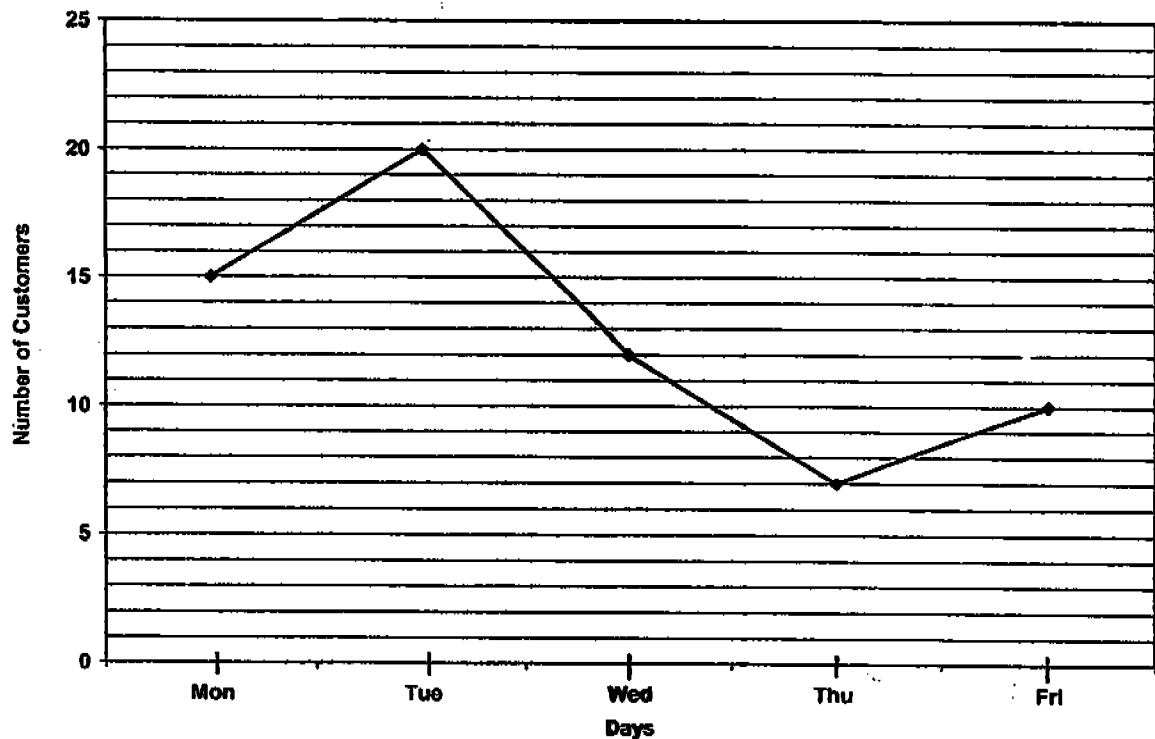
(1) $\frac{17}{50}$

(2) $\frac{17}{100}$

(3) $\frac{34}{50}$

(4) $\frac{34}{100}$

5. The following graph shows the number of customers Mr Huat had at his stall over five days. Study it and answer the following question.



On which two days was the difference in the number of customers fewer than 5?

- (1) Mon and Tue
- (2) Tue and Wed
- (3) Wed and Thu
- (4) Thu and Fri

6. $24 \div 2 + 6 \times (6 - 4) =$ _____

- (1) 104
- (2) 24
- (3) 36
- (4) 4

7. $\frac{3}{5} \times 45 =$ _____

- (1) 3×5
- (2) 3×9
- (3) 3×15
- (4) 3×45

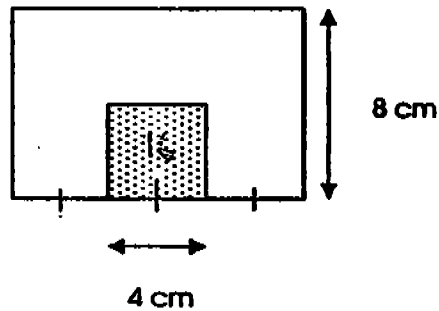
8. Find the value of $25 \div 4 \times 25$. The answer corrected to 1 decimal place is _____.

- (1) 0.3
- (2) 4.0
- (3) 156.2
- (4) 156.3

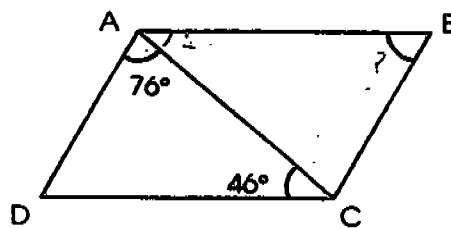
9. Danny earned \$33 500 last year. His income is increased by 6% this year. What is his income for this year?

- (1) \$2 010
- (2) \$20 100
- (3) \$31 490
- (4) \$35 510

10. The figure is made up of a rectangle and a square. The area of the unshaded part of the figure is _____ cm^2 .



- (1) 16
 (2) 32
 (3) 80
 (4) 96
11. Samadi Department Store was offering a 20% storewide discount on all items. Khalid bought a football and a pair of boots for \$88. He paid \$40 for the football. How much did he save on the pair of boots?
- (1) \$ 9.60
 (2) \$12.00
 (3) \$17.60
 (4) \$48.00
12. In the given parallelogram, not drawn to scale, $\angle ABC$ is _____ $^\circ$.



- (1) 14
 (2) 58
 (3) 76
 (4) 122

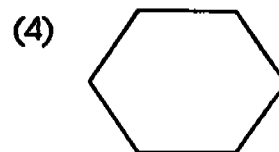
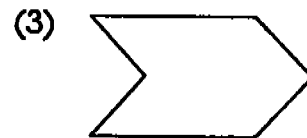
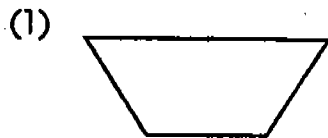
13. A machine makes 350 rubber duckies every 2 minutes. How many rubber duckies can it make in an hour?

- (1) 175
- (2) 700
- (3) 10 500
- (4) 21 000

14. Sandy bought 60 kg of sugar. She packed $\frac{7}{10}$ of it equally into 35 bags. What was the weight of sugar in each bag?

- (1) $\frac{18}{35}$ kg
- (2) $1\frac{1}{5}$ kg
- (3) 18 kg
- (4) 42 kg

15. Look at the shapes given below. Which of the following shapes cannot be tessellated?



Name: _____ () Class: Primary 5 ()

Section B (20 marks)

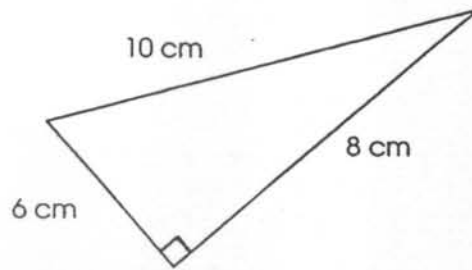
Questions 16 to 35 carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated.

16. Write in numerals:

Four million, three hundred thousand and two.

Ans: 4 300 002

17. The area of the given triangle is _____ cm^2 .



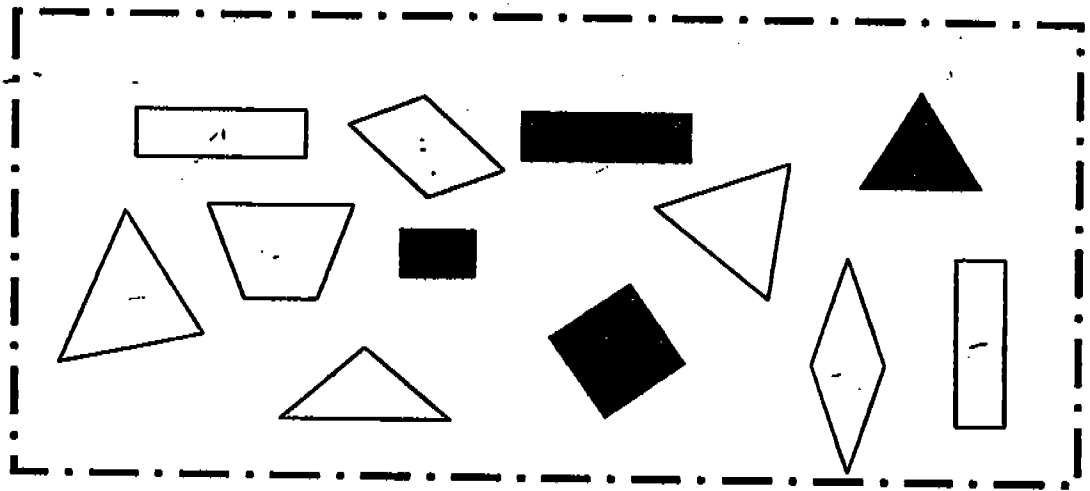
Ans: _____

18. Divide $\frac{2}{9}$ by 7. The answer is _____.

(Give your answer as a fraction in its simplest form.)

Ans: _____

19. In the given box below, the ratio of the number of 3-sided figures to the number of 4-sided figures is $\frac{\quad}{\quad}$

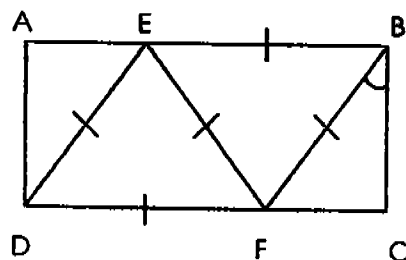


Ans: _____

20. The value of $\frac{1}{5} + 0.856$ is _____.

Ans: _____

21. The figure is not drawn to scale. ABCD is a rectangle. $\angle FBC$ is _____°.



Ans: _____

22. The volume of a 5-cm cube is _____ cm^3 .

Ans: _____

23. The average of 2 h 13 min, 2 h 17 min and 2 h 15 min is _____ h _____ min.

Ans: _____h_____min

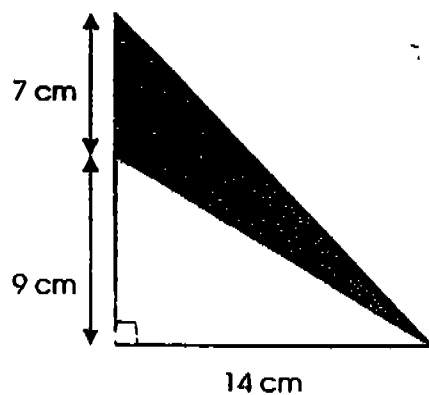
24. $781 \times 111 = 781 \times 100 + 781 \times$ _____

Ans: _____

25. Subtract the product of $\frac{4}{9}$ and $\frac{3}{10}$ from 2. The answer is _____.
(Give your answer as a fraction in its simplest form.)

Ans: _____

26. The shaded area is _____ cm^2 .



Ans: _____

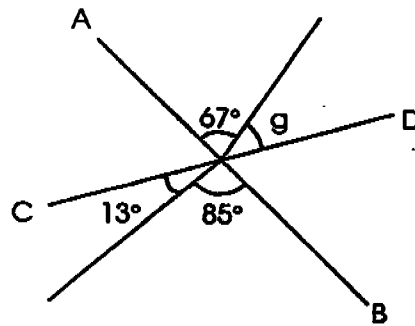
27. The ratio of the number of boys to the number of girls in a school is 4:7. If there are 1331 pupils, how many girls are there?

Ans: _____

28. In a class of 40 pupils, 8 pupils were absent from the Saturday supplementary lesson. What is the ratio of the number of pupils present to the enrolment of the class?

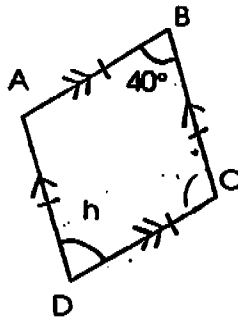
Ans: _____

29. In the figure, not drawn to scale, AB and CD are straight lines. $\angle g$ is _____°.



Ans: _____

30. The following figure is not drawn to scale. Find $\angle h$.



Ans: _____

31. Which number is the odd one out ?

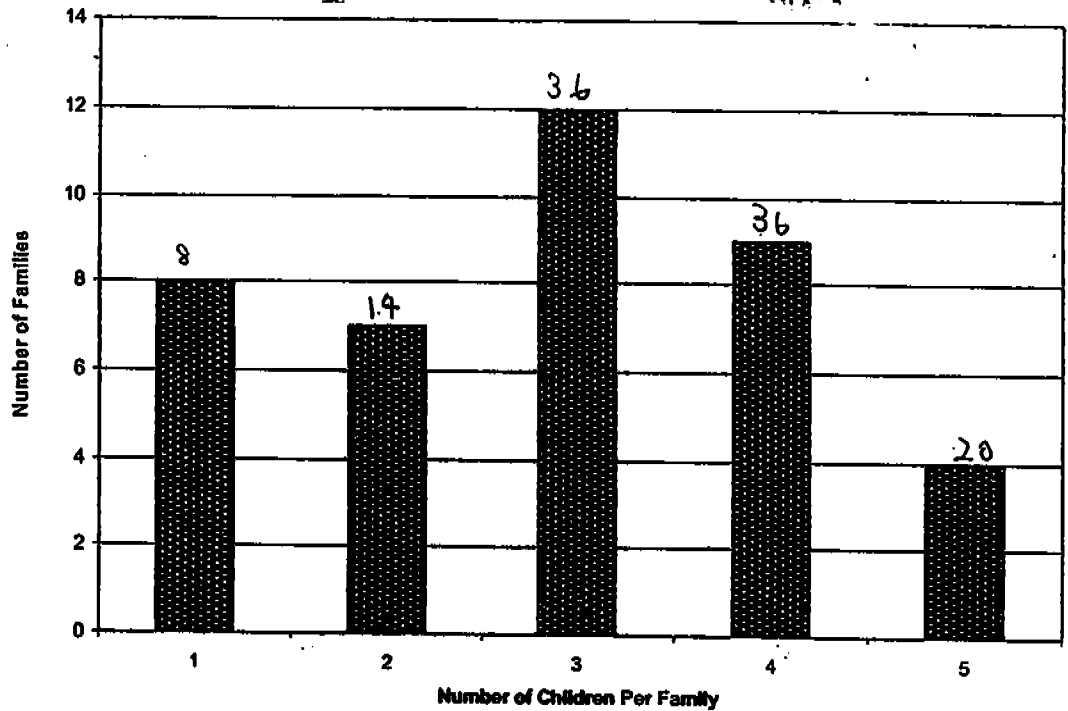
15	17	48	13
32	24	79	39

Ans: _____

32. 30% of Charlie's money is 60% of John's money. What fraction of Charlie's money is John's money?

Ans: _____

The graph below shows the number of families with 1, 2, 3, 4 and 5 children in Opera Estate. Study the graph and answer Questions 33 to 35.



33. How many families have 3 or more children?

Ans: _____

34. Find the average number of children per family.

Ans: _____

35. If the government gives \$1000 to each family with more than one child, how much is the total grant given by the government?

Ans: \$ _____

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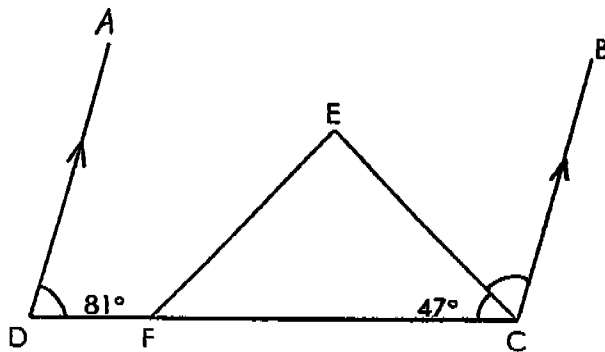
Section C (.55 marks)

Write your answers to questions 36 to 50 in the spaces provided. For each question, show your working clearly in the space below it. The number of marks available is shown in the brackets.

36. The number of vegetarians in a class is $\frac{1}{7}$ that of the number of non-vegetarians. If there are 48 pupils in the class, how many non-vegetarians are there?

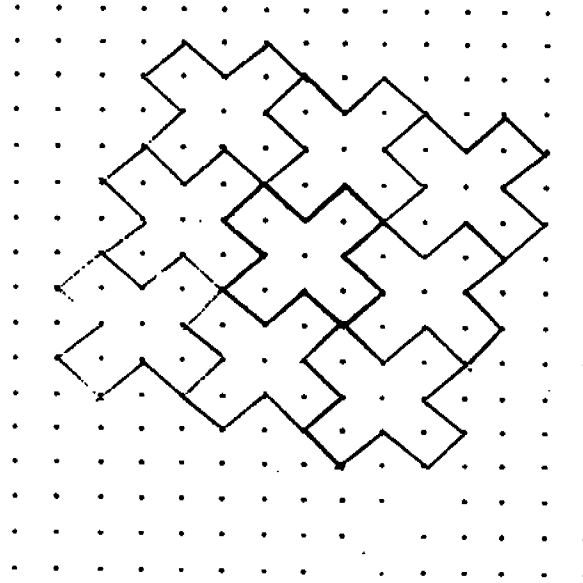
Ans: _____ (2m)

37. In the figure, not drawn to scale, $AD \parallel BC$. Find $\angle BCE$.



Ans: _____ (2m)

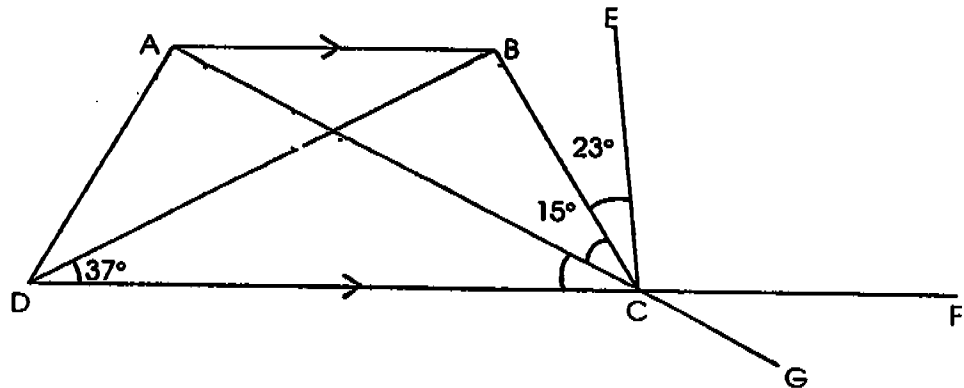
38. Use the unit shape to make a tessellation in the space provided. Draw another 8 unit shapes around the given shape to form the tessellation. (2m)



39. The average of 5 numbers is 45.2 . When one number is removed, the average is increased by 0.3 . What is the number that is removed?

Ans: _____ (3m)

40. In the figure shown below, ABCD is a trapezium. $\angle DBC$ is a right angle and AHG and DCF are straight lines. Find a) $\angle HCD$ and b) $\angle AHD$.



Ans: a) _____ (1m)
 b) _____ (2m)

41. A rectangular tank is 100 cm long, 80 cm wide and 80 cm high. It is $\frac{4}{5}$ filled with water. How many more litres of water can the tank hold? (1 litre = 1000 cm^3)

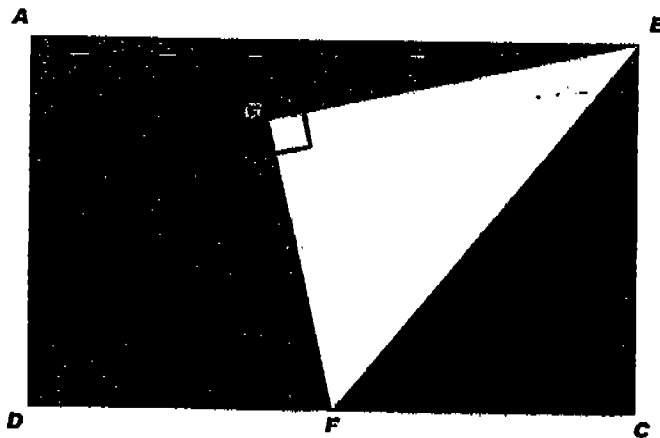
Ans: _____ (3m)

42. Fanny had 564 Singapore and Malaysian stamps. She sold half of the Singapore stamps and bought another 60 Malaysian stamps. After that, she had an equal number of Singapore and Malaysian stamps. How many stamps of each country had she at first?

Ans: Malaysian _____ (2m)

Singapore _____ (2m)

43. ABCD is a rectangle measuring 24 cm by 15 cm. If $DF=FC=FG$ and $BC=GB$, find the area of the shaded part.



Ans: _____ (4m)

44. Annabel has a total of 280 green and blue stickers. If 15% of them are green stickers, how many blue stickers must she take out so that the green stickers become 40% of the total?

Ans: _____ (4m)

45. Ian was asked to buy 4 kg of rice and 2 kg of beef. Instead, he bought 2 kg of rice and 4 kg of beef. If 250g of beef cost \$3.20 and $\frac{1}{2}$ kg of rice cost \$0.60, how much more did he spend?

Ans: _____ (4m)

46. Fandi spent $\frac{5}{6}$ of his pocket money on 5 pencils and 5 notebooks.

1 notebook costs 5 times as much as 1 pencil.

- a) How many pencils could he buy with the rest of his pocket money?
- b) If 5 notebooks cost \$8.75, what is the cost of 1 pencil?

Ans: a) _____ (3m)

b) _____ (1m)

47. Jane saved a certain amount of money on Monday. On Tuesday, she saved twice as much as on Monday. On Wednesday, she saved twice as much as on Tuesday. She saved a total amount of \$3.50 in the three days. She followed the same savings pattern of increasing the amount of savings each day. What is the total amount of savings by Sunday?

Ans: _____ (5m)

48. Mrs Tan had a bag of sweets. After giving each pupil 10 sweets, she had 4 sweets left. If she had given each pupil only 7 sweets, she would have 103 sweets left:
- a) How many pupils were there in the class?
 - b) How many sweets did Mrs Tan have?

Ans : a) _____ (3m)

b) _____ (2m)

49. A magician has some red, blue and yellow marbles in her bag. The number of red to blue marbles is in the ratio of 4:9 and the number of yellow marbles is half that of the total number of blue and red marbles at first. After she puts in another 10 red marbles, there are 30 more blue marbles than red marbles. What is the ratio of red marbles to blue marbles to yellow marbles now?

Ans: _____ (5m)

50. There were cows and horses in a farm. The number of horses was 50 more than $\frac{1}{3}$ of the total number of animals. The number of cows was 160 more than $\frac{1}{5}$ of the total number of animals. How many cows were there?

Ans: _____ (5m)

≈ End of Paper ≈

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|-------|---------|
| 01. 4 | 11. (2) |
| 02. 1 | 12. 2 |
| 03. 1 | 13. 3 |
| 04. 1 | 14. 2 |
| 05. 4 | 15. 2 |
| 06. 2 | |
| 07. 2 | |
| 08. 4 | |
| 09. 4 | |
| 10. 3 | |

- | | |
|------------------------|---------------------------------|
| 16) 4300002 | 35) 32000 |
| 17) 24 | 36) 42 |
| 18) $2/63$ | 37) 52° |
| 19) 1 : 2 | 38) |
| 20) 1.056 | 39) 44 |
| 21) 30 | 40) a) 38° |
| 22) 125 | b) 75° |
| 23) 2 hours 15 minutes | 41) 128 litres |
| 24) 11 | 42) Malaysian 148 Singapore 416 |
| 25) $1 \frac{13}{15}$ | 43) 270 cm^2 |
| 26) 49 | 44) 175 |
| 27) 847 | 45) \$ 23.20 |
| 28) 4 : 5 | 46) a) 6 b) \$ 0.35 |
| 29) 31 | 47) \$ 63.50 |
| 30) 40° | 48) a) 33 b) 334 |
| 31) 32 | 49) 21 : 36 : 26 |
| 32) $1/2$ | 50) 250 cows |
| 33) 25 | |
| 34) 2.85 | |