



Anglo-Chinese School (Primary)

P3 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET A

Name: _____ () Class: Primary 3 __

Date: 30 October 2007

Duration of paper: 1 h 45 min

THIS BOOKLET CONTAINS 4 PAGES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY

SECTION A - Multiple Choice Questions (20 MARKS)

Questions 1 to 10 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The digit 3 in 6 327 stands for _____.
 - (1) 3
 - (2) 30
 - (3) 300
 - (4) 3 000

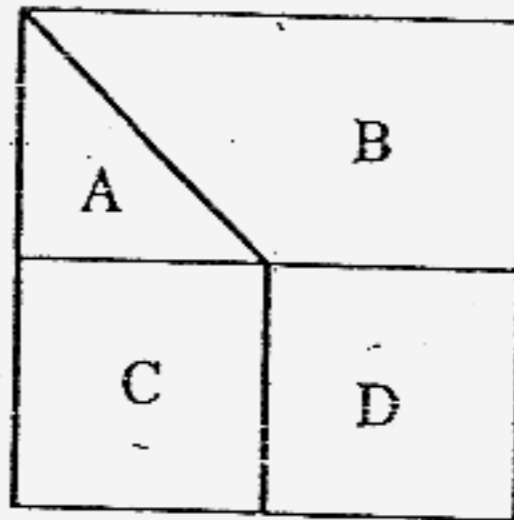
2. What is the value of 9 thousands, 4 hundreds, 6 tens and 1 one?
 - (1) 9 164
 - (2) 9 416
 - (3) 9 461
 - (4) 9 641

3. Joe has 30 stickers. He has three times as many stickers as Farhan. How many stickers do they have in all?
 - (1) 10
 - (2) 15
 - (3) 30
 - (4) 40

4. Mary has 8 stamps altogether. Some are 10-cent stamps and others are 50-cent stamps. Which one of the following cannot be the total value of stamps Mary has?
 - (1) \$1.20
 - (2) \$2
 - (3) \$2.40
 - (4) \$3.10

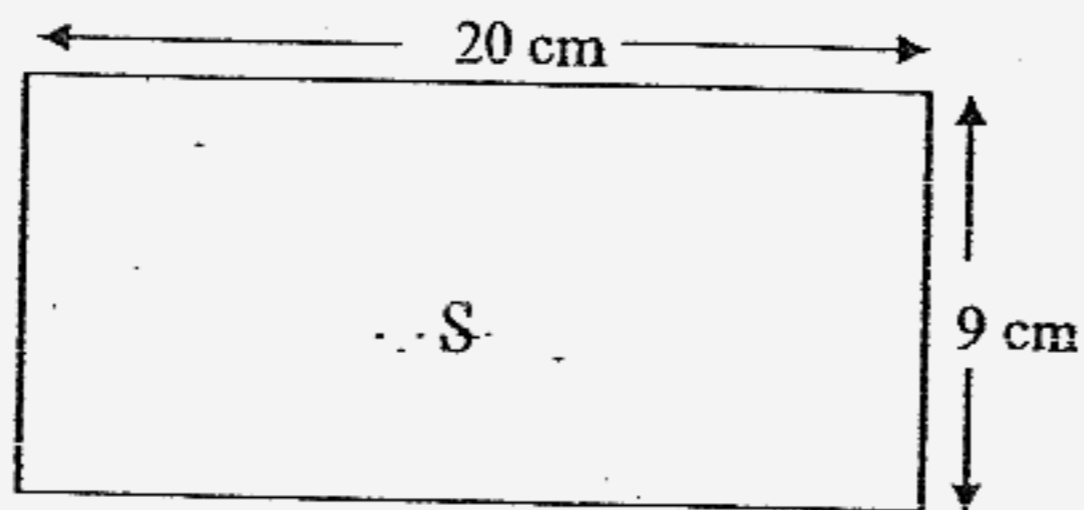
5. In a race, a participant cycles 6 km and runs 4 000 m. What is the total distance covered in this race?
- (1) 10 km
 - (2) 64 km
 - (3) 4 006 km
 - (4) 10 000 km
6. 8 030 g is the same as _____.
- (1) 8 kg 3 g
 - (2) 8 kg 30 g
 - (3) 80 kg 3 g
 - (4) 80 kg 30 g
7. A bottle contains 1.5 l of water. Mother pours out 2 glasses of 350 ml of water from it. How much water is left in the bottle?
- (1) 700 ml
 - (2) 800 ml
 - (3) 850 ml
 - (4) 1 l 150 ml
8. A movie started at 10.45 a.m. The movie lasted for 2 hours and 20 minutes. What time did the movie end?
- (1) 11.05 a.m.
 - (2) 12.45 a.m.
 - (3) 12.45 p.m.
 - (4) 1.05 p.m.

9. The figure below is a square made up of four parts, A, B, C and D. C and D are squares and each is $\frac{1}{4}$ of the figure.



Which of the following two parts will add up to form $\frac{5}{8}$ of the figure?

- (1) A and B
 - (2) B and C
 - (3) C and D
 - (4) D and A
10. What is the area of Figure S?



- (1) 18 cm^2
- (2) 29 cm^2
- (3) 58 cm^2
- (4) 180 cm^2

SECTION B - Short Answers (40 MARKS)

Questions 11 to 30 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

11. What is the **smallest** 4-digit even number that can be formed using the digits 2, 5, 8 and 9?

12. The sum of two numbers is 340. If the bigger number is 210. What is the value of the smaller number?

13. Part of the table below was accidentally torn off. The table shows the salaries of the employees from T SQUARE company.

| Employee Name | Salary |
|---------------|---------|
| Daniel | \$2 095 |
| Mark | \$2 785 |
| Timothy | \$2 560 |
| Peter | |

If T SQUARE company has to pay out a total amount of \$9 800 as salary to the 4 employees, what is Peter's salary?

14. Melvin has twice as many pencils as Ali. Zachary has four times as many pencils as Ali. If Ali has 3 pencils, how many pencils do the three boys have in all?

15. Find the quotient when 16 tens and 18 ones is divided by 6.

16. Li Wen bought some lollipops. He gave 4 lollipops to his friend. He then put the rest of the lollipops equally into 3 bags. There were 5 lollipops in each bag. How many lollipops did Li Wen buy?

17. Henry paid \$5.60 for 7 similar notebooks. He bought a pencil which cost half as much as a notebook. How much did he pay for the notebooks and the pencil altogether?

\$ _____

18. The table shows the lengths of 4 types of ribbon. Which type of ribbon is the longest?

| Types of Ribbon | Length |
|-----------------|----------|
| A | 200 m |
| B | 3 000 cm |
| C | 1 km |
| D | 1 600 m |

Ribbon _____

19. The mass of Parcel A is 3 035 g. The mass of Parcel B is 280 g lighter than Parcel A. What is the mass of Parcel B? Write your answer in kg and g.

_____ kg _____ g

20. There are 3 packets of sugar. The total mass of packets A and C is 25 kg. The total mass of packets B and C is 30 kg. If C has a mass of 16 kg, what is the total mass of packets A and B?

_____ kg

21. Arrange the following fractions in descending order.

$$\frac{2}{3}, \frac{2}{9}, \frac{3}{4}$$

22. How many **more** rectangles must be shaded so that $\frac{2}{3}$ of the figure is shaded?

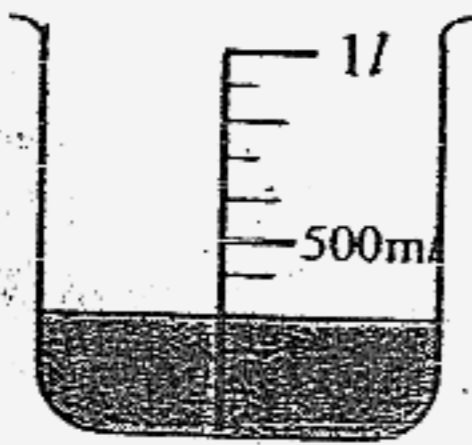


_____ more rectangles

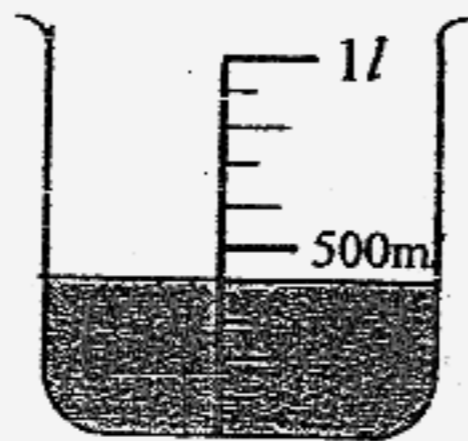
23. A bottle holds 260 ml of fruit juice when it is a quarter full. How much fruit juice can it hold when it is completely full?

_____ ml

24. What is the total volume of water in the basin when the water in the two beakers are poured into the basin?



Beaker A



Beaker B



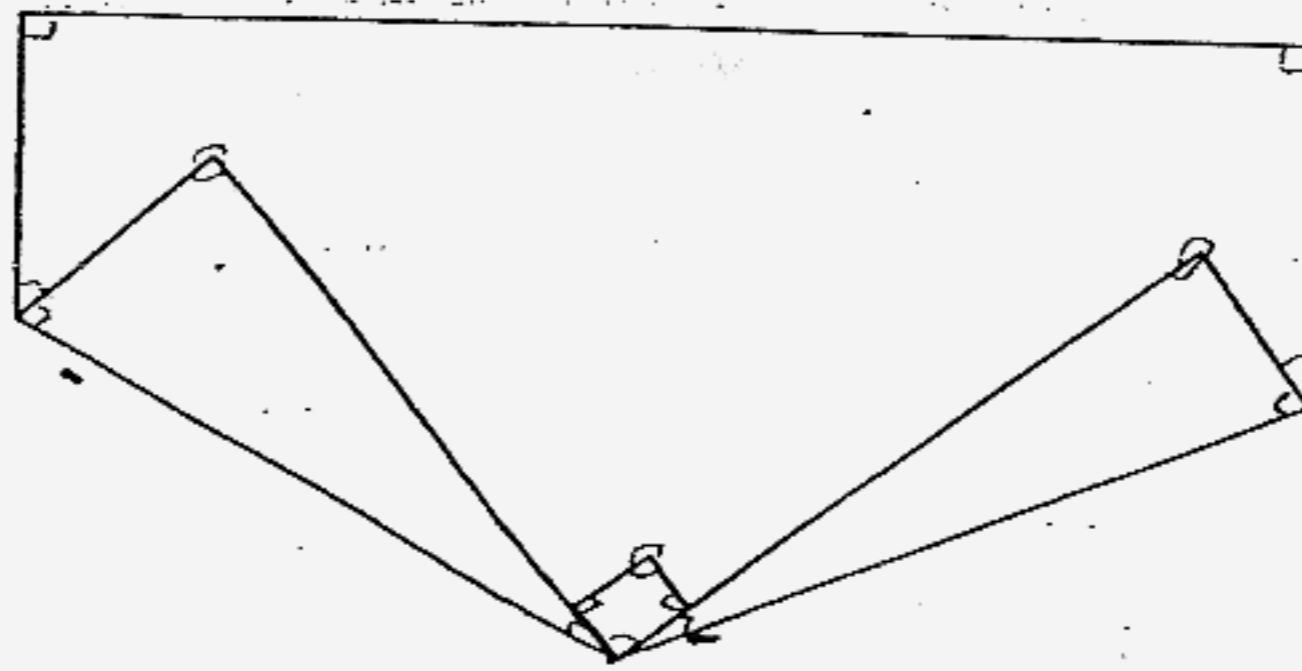
Basin

_____ ml

25. The breadth of a rectangle is 8 cm. Its length is twice of its breadth. Find the perimeter of the rectangle.

_____ cm

26. A rectangular piece of paper is folded at two of its corners. How many right angles can be observed in the figure formed?



This graph shows the different number of stickers 4 children have. Each ♥ represents a certain number of stickers.

For questions 27 and 28, refer to the following graph.

| | | | |
|-------|-------|-------|-----|
| | | | |
| | ♥ | | |
| | ♥ | | |
| | ♥ | | |
| | ♥ | | |
| | ♥ | | ♥ |
| ♥ | ♥ | | ♥ |
| ♥ | ♥ | | ♥ |
| ♥ | ♥ | ♥ | ♥ |
| James | Polly | David | Jay |

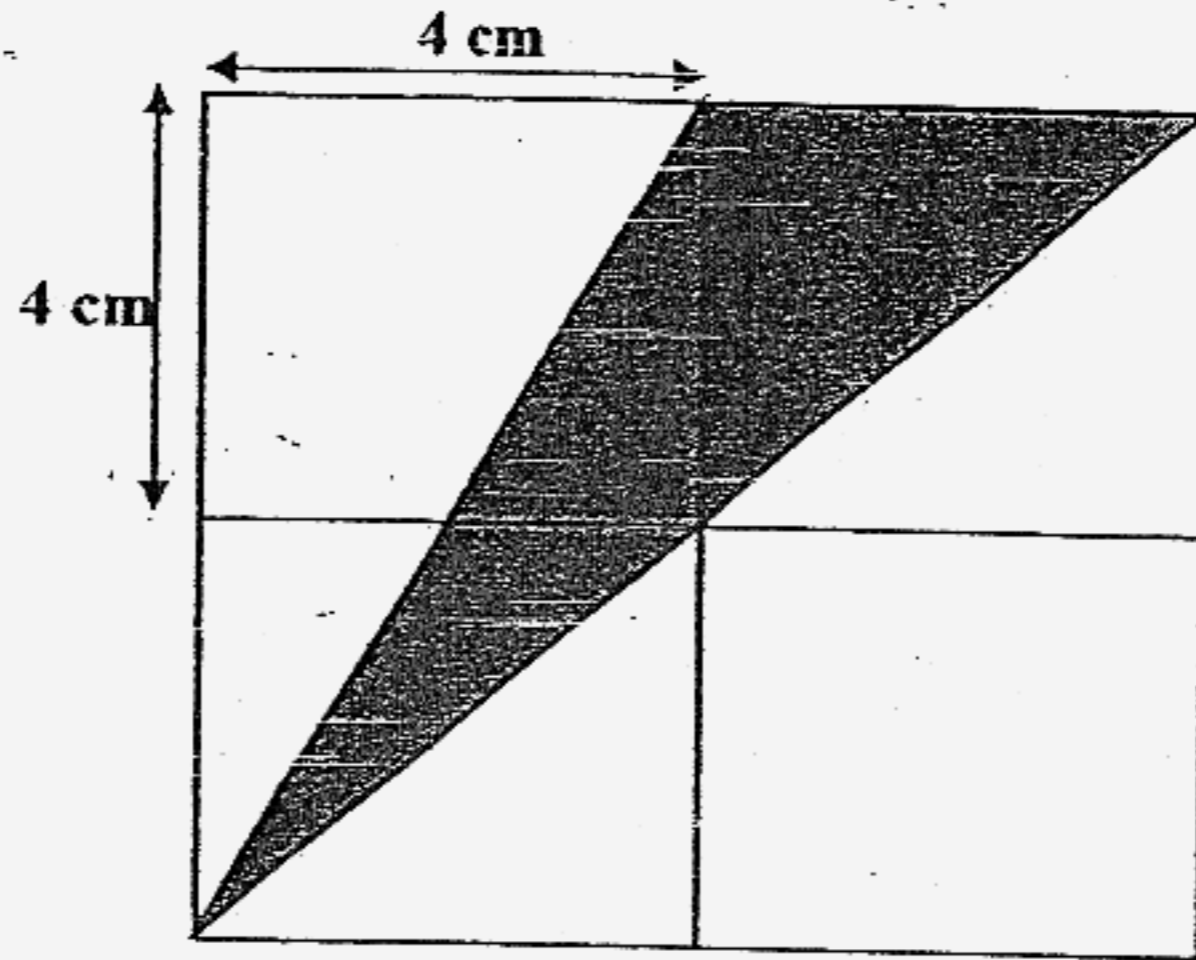
27. James has 15 stickers. How many stickers does David have?

28. Who has 20 stickers less than Polly?

29. Five years ago, Eric was 16 years old. How old will he be in 2 years' time?

_____ years old

30. The figure is made up of 4 identical squares of side 4 cm. Find the area of the shaded figure.



_____ cm²



Anglo-Chinese School (Primary)

P3 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET B

Name: _____ () Class: Primary 3 _____

Date: 30 October 2007

Duration of paper: 1 h 45 min

Parent's/Guardian's signature

| Section | Maximum Marks | Time |
|-------------------------------|---------------|------|
| A. Multiple Choice Questions | 20 | |
| B. Short Answers | 40 | |
| C. Problem Sums | 40 | |
| Total Marks | 100 | |
| Parent's/Guardian's signature | | |

THIS BOOKLET CONTAINS 12 PAGES.
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SECTION C - Problem Sums (40 MARKS)

For each question from 31 to 40, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets.

31. Kaven has \$1 498 in his savings. He has \$529 more than Albert. How much do they have altogether? (4 marks)
32. Peter has 45 marbles more than Mark. Tom has 20 marbles less than Mark. If the three boys have a total of 175 marbles, how many marbles does Tom have? (4 marks)

33. Mr Tan bought 4 similar T-shirts and a pair of trousers. He paid \$150 to the cashier and received \$9 change. If the pair of trousers costs \$69, find the cost of each T-shirt. (4 marks)
34. Mary has a ribbon, 12 metres longer than Alice's ribbon. If Mary gives 4 metres of her ribbon to Alice, how much longer will Mary's ribbon be than Alice's? (4 marks)

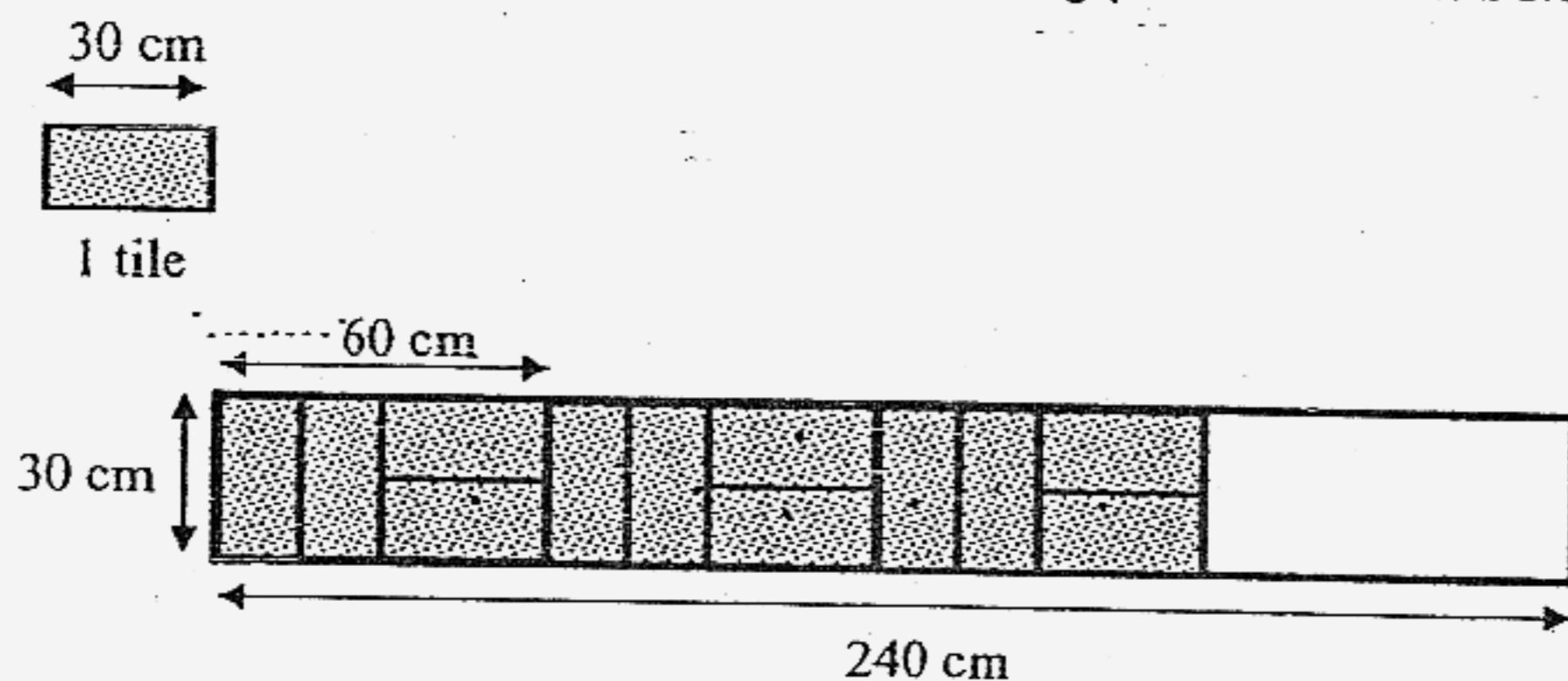
35. Mark sat on a chair in the concert hall. There were 4 chairs to his right and 7 chairs to his left. There were 5 rows in front of him and 4 rows behind him. If there were same number of chairs in each row, how many chairs were there in the concert hall? (4 marks)
(Hint: Draw a diagram)
36. Mr Lim is five times as old as Phillip. He is 52 years older than Phillip. How old will Phillip be in 8 years' time? (4 marks)

37. A bus driver transporting workers to work at Tuas started his journey from Ang Mo Kio at 7.15 a.m. He took 1 h 20 min to pick up all the workers. Then he took another 35 min to reach Tuas. At what time, did he arrive at Tuas? (4 marks)

38. A jug of orange juice can fill 4 large mugs. A large mug can fill 5 small cups. How many jugs of orange juice are needed to fill 140 small cups? (4 marks)

39. Mother has some money to buy beef. She will have \$15 left if she buys 3 kg of beef. However, she will need \$3 more if she wants to buy 4 kg of beef instead. How much money does Mother have? (4 marks)

40. Mr Lee has to cover a rectangular path, 240 cm long by 30 cm wide, with identical rectangular tiles by using the tiling pattern shown below.



- a) What is the breadth of 1 tile? (2 marks)
- b) How many tiles did he use altogether to cover the rectangular path? (2 marks)

~ End of Paper ~

**ACS Primary School
Primary 3 SA2 Maths Exams (2007)**

Answer Keys

- | | | | | |
|------|------|------|------|-------|
| 1) 3 | 2) 3 | 3) 4 | 4) 4 | 5) 1 |
| 6) 2 | 7) 2 | 8) 4 | 9) 2 | 10) 4 |

11. 2598

12. 130

13. \$2360

14. 21

15. 29

16. 19

17. 6

18. D

19. 2kg 755g

20. 23kg

21. $\frac{3}{4}, \frac{2}{3}, \frac{2}{9}$

22. 4

23. 1l 40ml

24. 915ml

25. 48cm

26. 5

27. 5

28. Jay

29. 23

30. 16cm²

31. $1498 - 529 = 969$
 $969 + 1498 = 2467$
 They have \$2467 altogether.

32. $175 - 20 = 155$
 $155 - 45 = 110$
 $110 - 20 = 90$
 $90 \div 3 = 30$
 Tom has 30 marbles.

33. $\$150 - \$9 = \$141$
 $\$141 - \$69 = \$72$
 $\$72 \div 4 = \18

The cost of each T-shirt is \$18.

34. $12 - 4 - 4 = 4$

Mary's ribbon will be 4cm longer than Alice.

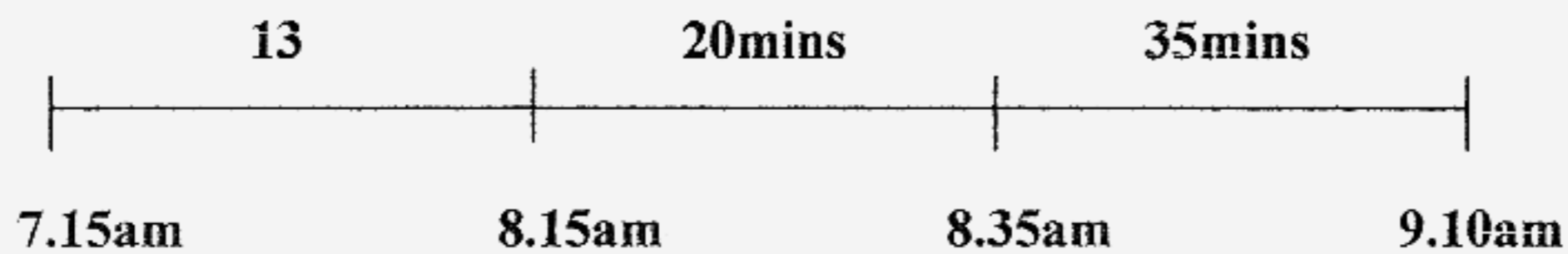
35. $4 + 7 + 1 = 12$
 $12 \times 10 = 120$

There were 120 chairs.

36. $52 \div 4 = 13$
 $13 + 8 = 21$

Philip will be 21 years old in 8 years time.

37.



He arrive at Tuas at 9.10am .

38. $140 \div 5 = 28$
 $28 \div 4 = 7$

7 jugs are needed to fill up 140 small cups.

39. $15 + 3 = 18$
 $18 \times 3 = 54$
 $54 + 15 = 69$
 Mother has \$69.

40a. $30 \div 2 = 15$
 The breadth is 1 tile 15cm

40b. $240 \div 60 = 4$
 $4 \times 4 = 16$
 He used 16 tiles altogether to cover the rectangular path.