



AI TONG SCHOOL
2012
SEMESTRAL ASSESSMENT 2
PRIMARY 3
MATHEMATICS

DURATION : 1 h 30 min

DATE : 23 October 2012

INSTRUCTIONS

Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____ ()

Class : Primary 3 (_____)

Parent's Signature: _____
Date : _____

Section A	40
Section B	40
Section C	20
Total	100

3037

Section A

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 with a 2B pencil.

(40 marks)

1 In which of the following numbers does the digit '4' have the smallest value?

- (1) 9840
- (2) 8409
- (3) 8094
- (4) 4908

2 The sum of 7268 and 189 is _____.

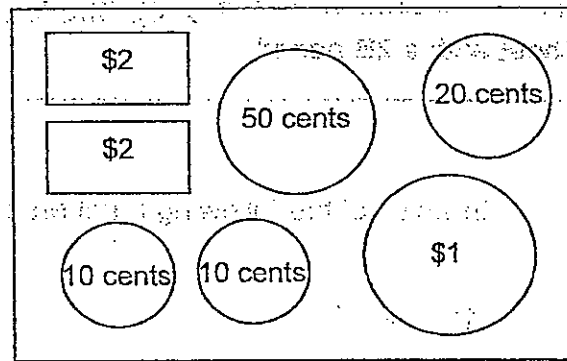
- (1) 9158
- (2) 8347
- (3) 7457
- (4) 7079

3 6 groups of 5 has the same value as _____.

- (1) $5 + 5 + 5 + 5 + 5 + 5$
- (2) $5 \times 5 \times 5 \times 5 \times 5 \times 5$
- (3) $6 \times 6 \times 6 \times 6 \times 6$
- (4) $6 + 5$

4. what is the total value of the money shown in the box?

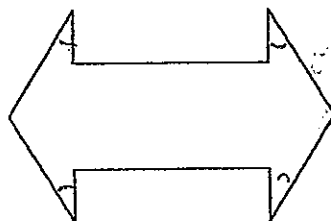
- 1) \$6.40
- 2) \$5.90
- 3) \$5.40
- 4) \$4.90



5. Which of the following is an equivalent fraction of $\frac{4}{12}$?

- (1) $\frac{8}{12}$
- (2) $\frac{1}{3}$
- (3) $\frac{1}{4}$
- (4) $\frac{2}{10}$

6. How many angles inside the figure below are smaller than right angle?



- (1) 10
- (2) 8
- (3) 6
- (4) 4

- 7 Which of the following letters has both parallel and perpendicular lines?

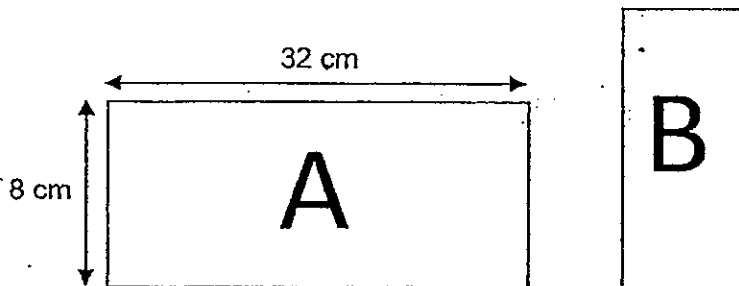
E M T L

- (1) E
- (2) M
- (3) T
- (4) L

- 8 There are _____ tens in 32 hundreds and 60 ones.

- (1) 92
- (2) 326
- (3) 380
- (4) 3260

- 9 The area of rectangle A is twice the area of rectangle B.
Find the area of rectangle B.



- (1) 128 cm^2
- (2) 256 cm^2
- (3) 384 cm^2
- (4) 512 cm^2

10 When I divide a number by 7, the largest possible remainder is _____.

- (1) 6
- (2) 7
- (3) 8
- (4) 9

11 Nazriah can exchange her \$5 note for _____ twenty-cent coins.

- (1) 50
- (2) 25
- (3) 20
- (4) 10

12  +  = 

 +  +  +  = 

Which of the following could replace the  ?

- (1)  + 
- (2)  + 
- (3)  +  + 
- (4)  +  + 

- 13 Four girls are comparing their heights. Who is the tallest girl?

Name of girls	Height
Atiqah	1 m 80 cm
Bee Chin	108 cm
Carrie	1 m 10 cm
Devi	126 cm

- (1) Atiqah
- (2) Bee Chin
- (3) Carrie
- (4) Devi

- 14 What fraction of the rectangle is **unshaded**?
Express your answer in simplest form.



- (1) $\frac{2}{5}$
- (2) $\frac{3}{5}$
- (3) $\frac{6}{10}$
- (4) $\frac{2}{3}$

- 15 The table below shows the mass of the school bags of 3 pupils.

Names of pupils	Mass of schoolbags
Sandra	1050 g
Ming Li	1378 g
Ali	2130 g

What is the total mass of the 3 school bags?

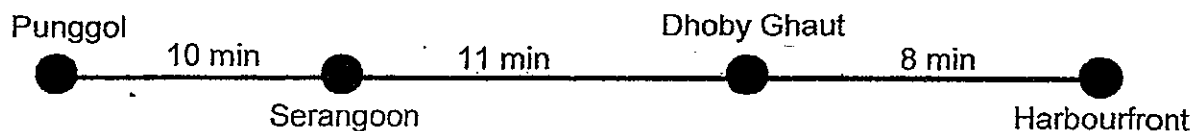
- (1) 4558 kg
 - (2) 455 kg 8 g
 - (3) 45 kg 58 g
 - (4) 4 kg 558 g
- 16 Ken had 162 stamps. He used 39 stamps and bought another 127 stamps.
How many stamps did he have in the end?
- (1) 35
 - (2) 74
 - (3) 123
 - (4) 250
- 17 The length of each side of a square is an odd number.
Which of the following can be the perimeter of the square?
- (1) 24 cm
 - (2) 32 cm
 - (3) 36 cm
 - (4) 48 cm

- 18 The table below shows the time 4 men took to finish a marathon.
Who was the slowest runner?

Men	Time Taken
Leonard	4 h 53 min
Mohamed	4 h 35 min
Nelson	4 h 6 min
Prasad	4 h 26 min

- (1) Leonard
- (2) Mohamed
- (3) Nelson
- (4) Prasad

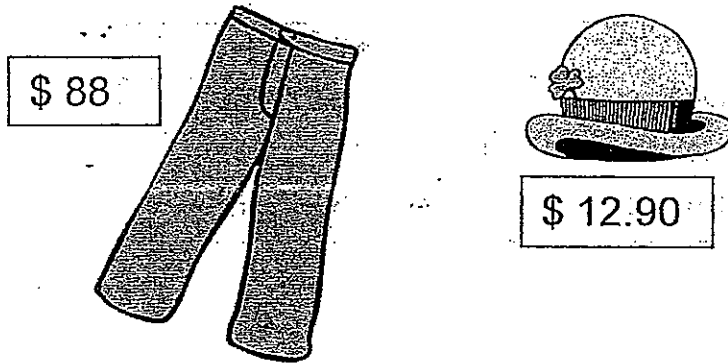
- 19 The diagram below shows the travelling time between stations on the MRT line.



Shirley took the MRT from Punggol, passing Serangoon and Dhoby Ghaut to reach Harbourfront. If she reached Harbourfront station at 9.27 p.m., what time did the train leave Punggol?

- (1) 9.56 p.m.
- (2) 9.19 p.m.
- (3) 9.08 p.m.
- (4) 8.58 p.m.

- 20 Auntie May bought the pair of pants and the hat as shown below. She used a fifty-dollar note and some ten-dollar notes to pay for both items. How many ten-dollar notes did she use to pay?



- (1) 11
- (2) 10
- (3) 6
- (4) 5

Section B

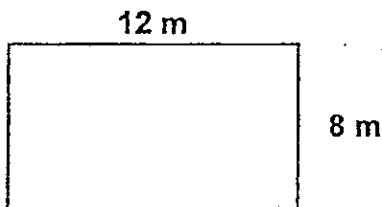
Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(40 marks)

21 Write 2096 in words.

Ans: _____

22 Find the perimeter of the rectangular field shown below.



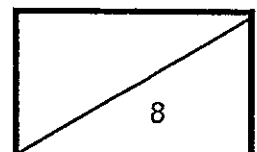
Ans: _____ m

23 Caitlin celebrated her 9th birthday in the year 2006.
In which year was she born?

Ans: _____

24 Find the value of $\$9 - \2.25 .

Ans: \$ _____



25 What number does the place value chart below represent?

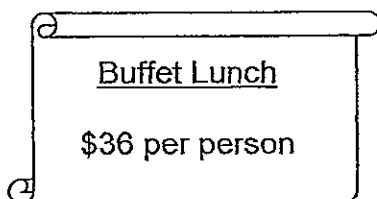
Hundreds	Tens	Ones
100 100 100	10 10 10	1 1 1
100 100 100	10 10 10	1 1 1
100 100	10 10 10	1 1 1
	10 10	

Ans: _____

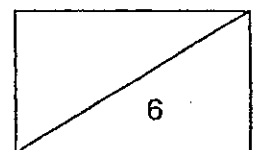
26 In 2014, the digit _____ is in the hundreds place.

Ans: _____

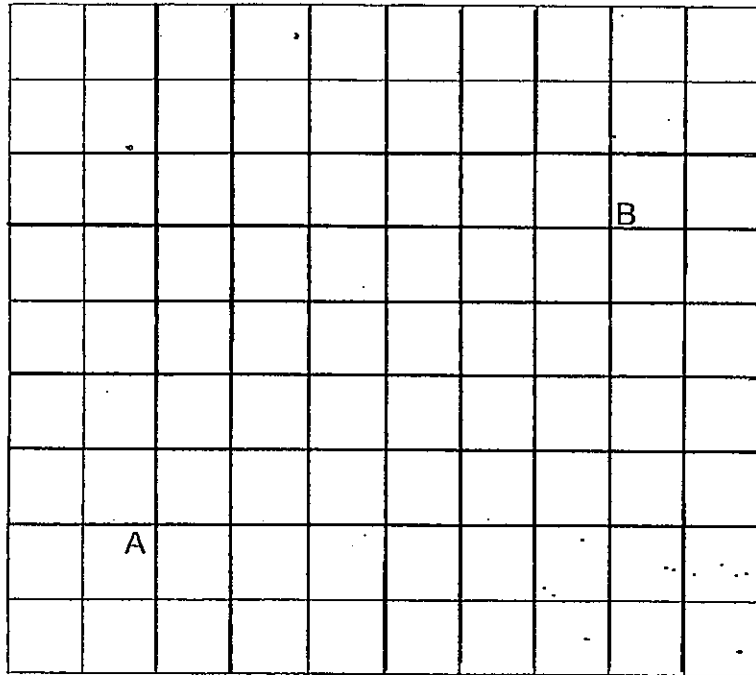
27 How much does a family of 9 people need to pay for the buffet lunch?



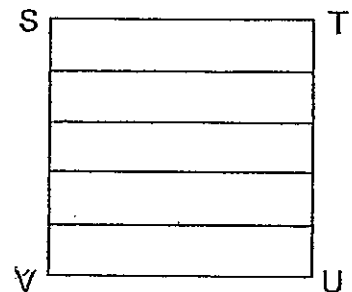
Ans: \$: _____



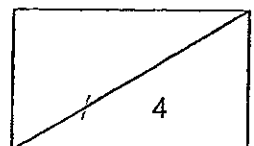
- 28 Draw a line that is parallel to AB.



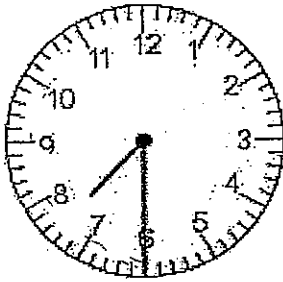
- 29 A square, STUV, is divided equally into 5 rectangles.
The perimeter of the square is 60 cm.
Find the breadth of each rectangle.



Ans: _____ cm



- 30 Ronnie started doing his homework at 7.30 p.m.
What time did he finish if the minute hand on the clock had turned 3 right angles?



Ans: _____ p.m.

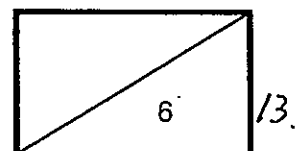
- 31 Arrange the following fractions in order, beginning with the smallest.

$$\frac{1}{2}, \quad \frac{2}{3}, \quad \frac{1}{4}$$

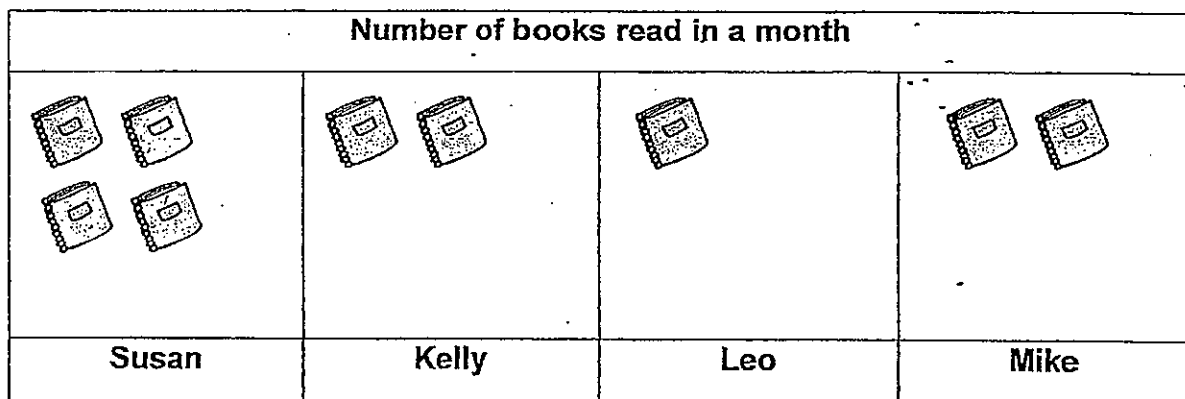
Ans: _____, _____, _____

- 32 Darren spent half of his money on a pair of shoes.
After spending another \$6 on a meal and \$8 on a book, he was left with \$10.
How much did Darren have at first?

Ans: \$ _____



- 33 The picture graph below shows the number of books each child had read in a month. They read a total of 63 books.

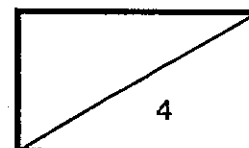


How many books does each  represent?

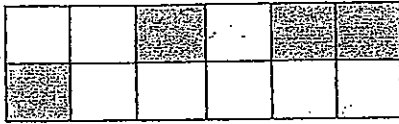
Ans: _____

- 34 Adrian had 78 stamps.
He put 10 stamps on each of the 6 pages in his stamp album.
How many stamps were **not** put into the stamp album?

Ans: _____



- 35 How many more equal parts have to be shaded so that $\frac{3}{4}$ of the figure below is shaded?



Ans: _____

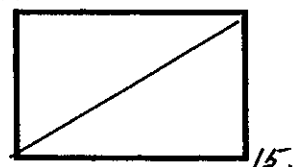
- 36 Jamie wrote two numbers on a piece of paper.
The smaller of these two numbers is 1386.
The larger number is 645 more than the smaller number.
What is the sum of the two numbers?

Ans: _____

- 37 Mr Lim and his three children went to the Universal Studios.
He spent \$210 on the tickets.
What is the price of a child ticket?

Universal Studios		
	Adult	Child
One Day Ticket	\$66	?

Ans: \$ _____



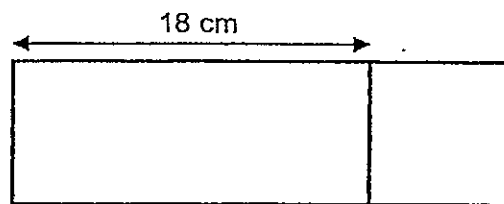
- 38 I am a 4-digit number.
 I am more than 2000 but less than 3000.
 My hundreds digit is the biggest digit.
 The tens digit is bigger than the ones digit.
 The sum of the tens and ones digits is 9 and their difference is 1.
 What number am I?

Ans: _____

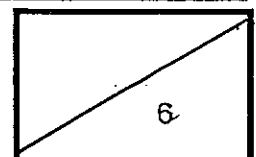
- 39 Jane has 195 beads and Grace has 93 beads. How many beads must Jane give to Grace so that they have the same number of beads?

Ans: _____

- 40 The figure below is made up of a rectangle and a square.
 If the perimeter of the square is 40 cm, find the area of the rectangle.



Ans: _____ cm^2



Section C

Questions 41 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

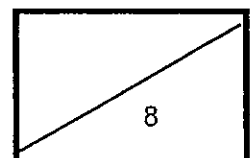
(20 marks)

- 41 An MRT train had some passengers when it left Ang Mo Kio Station. After 17 passengers alighted from the train at Bishan Station and another 143 passengers boarded the train, there were 168 passengers now. How many passengers did the train carry when it left Ang Mo Kio Station?

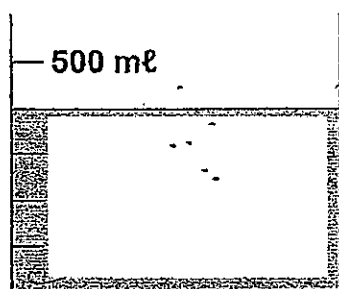
Ans: _____

- 42 Carin collected 600 stickers.
Bala collected 180 fewer stickers than Carin but thrice as many stickers as Aisha.
How many stickers did the three children collect altogether?

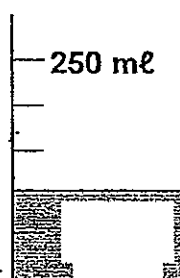
Ans: _____



- 43 The diagrams below show 2 containers filled with different amounts of water.



Container A

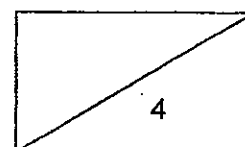


Container B

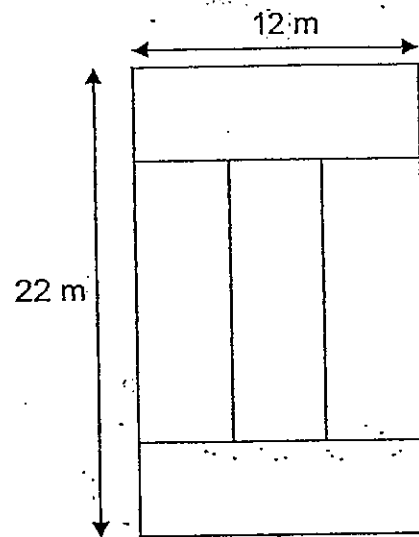
Huiling wanted to pour water from Container A into Container B until Container B has 250 ml of water.

What would be the volume of water left in Container A?

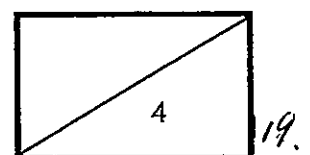
Ans: _____



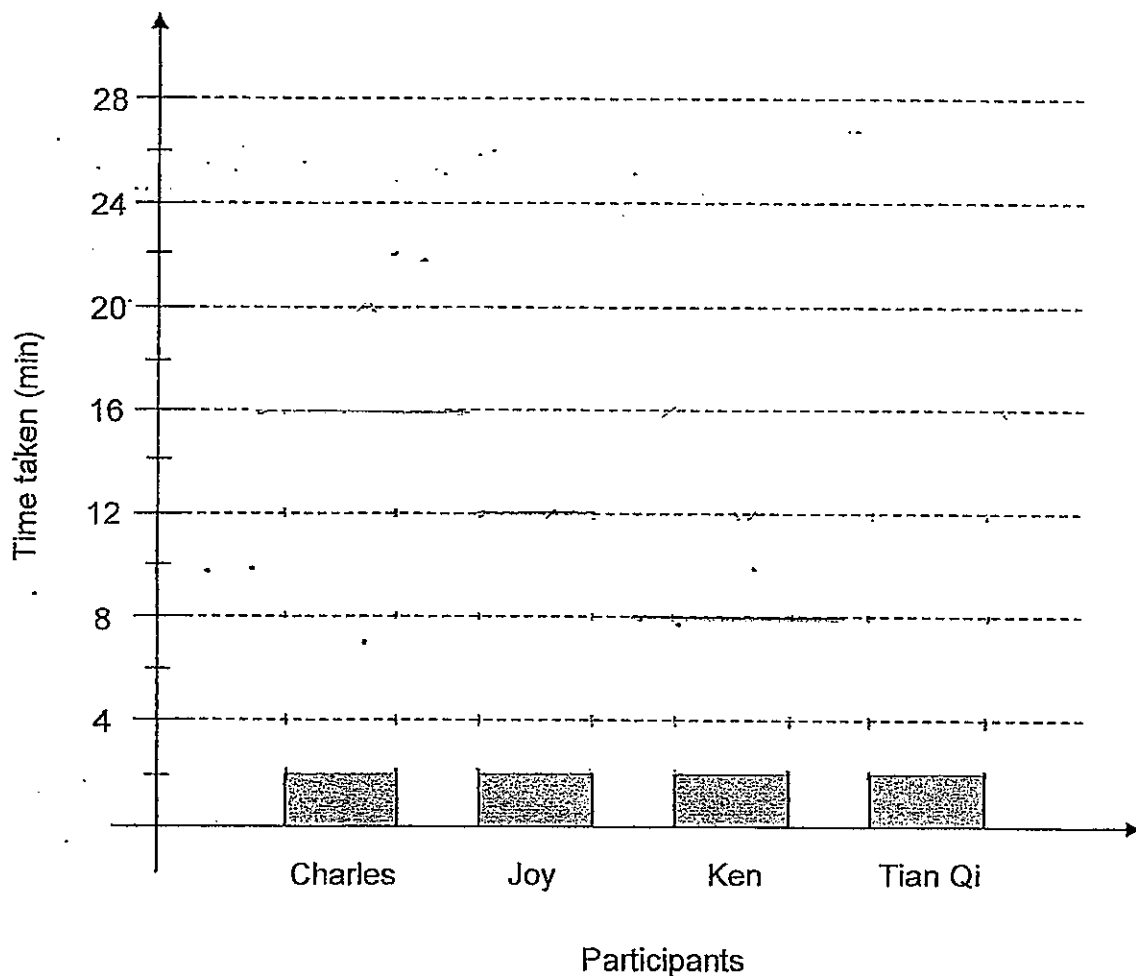
- 44 The figure below is made up of 5 similar small rectangles.
Find the perimeter of one such small rectangle.



Ans. _____

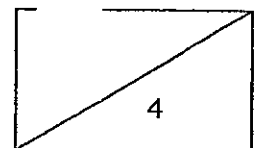


- 45 Four children, Joy, Ken, Charles and Tian Qi, completed a race.
Use the given information to complete the bar graph neatly below.
You are to use a ruler and pencil to help you in completing the bar graph below.
- Joy took 12 min.
 - The total time taken by Ken and Joy was 20 min.
 - Charles took twice the time taken by Ken.
 - The total time taken by the four children was 50 min.



End of Paper

Please check your work carefully!



ANSWER SHEET

EXAM PAPER 2012

SCHOOL : AI TONG PRIMARY SCHOOL

SUBJECT : PRIMARY 3 - MATHEMATICS

TERM : SA 2

SECTION A

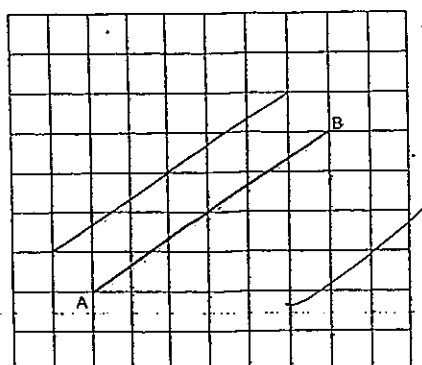
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
3	3	1	2	2	2	1	2	1	1	2	4	1	2	4	4

Q17	Q18	Q19	Q20
3	1	4	3

SECTION B

21. Two thousand and ninety-six
22. 40m
23. 1997
24. \$6.75
25. 919
26. 0
27. \$324

28.



29. 3 cm
30. 8.15 p.m.
31. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{3}$
32. \$48
33. 7
34. 18
35. 5
36. 3417
37. \$48
38. 2954
39. 51
40. 180 cm^2

SECTION C

41. $168 - 143 = 25$
 $25 + 17 = 42$
 The train carried 42 passengers.
42. $600 - 180 = 420$
 $420 \div 3 = 140$
 $600 + 420 + 140 = 1160$
 They collected 1160 stickers altogether.
43. $250 - 100 = 150$
 $400 - 150 = 250$
 There would be 250ml left in Container A.
44. $22 - 12 = 10$
 $10 \div 2 = 5$
 $12 + 5 = 17$
 $17 \times 2 = 34$
 The perimeter is 34 m.
- 45.

