



**HOUGANG PRIMARY SCHOOL
SECOND SEMESTRAL ASSESSMENT 2009
MATHEMATICS
PRIMARY 3**

Name : _____ ()

Class : Primary 3. []

Date : 3 November 2009

BOOKLET A

20 multiple-choice questions (40 marks)

Total time for Booklets A and B : 1h 45min

***Do not open this booklet until you are told to do so.
Follow all the instructions carefully.***

Section A (40 marks)

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

1. What is the value of the digit 8 in the number 8 435?

- (1) 8
- (2) 80
- (3) 800
- (4) 8 000

2. What is the missing number in the following sequence?

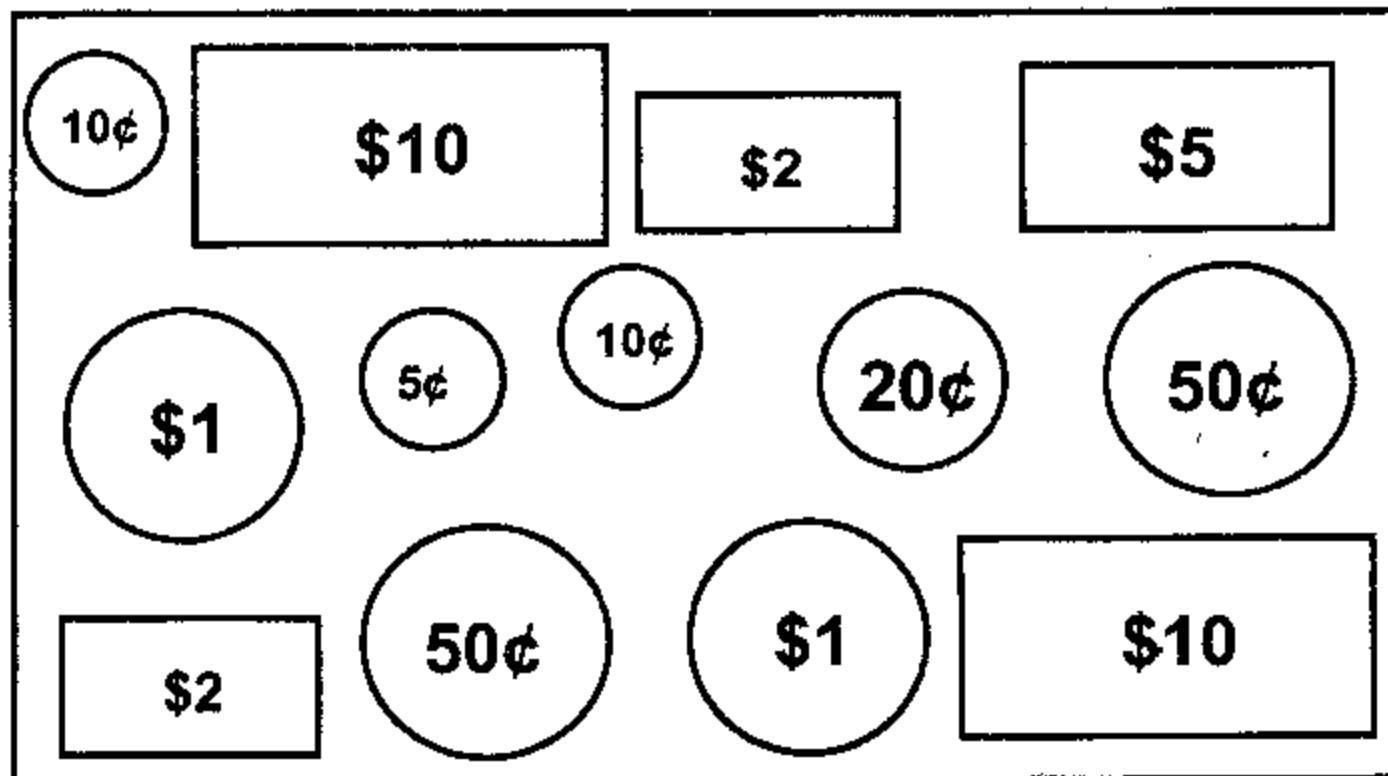
3 465 , 3 248 , 3 031 , _____ , 2 597 , 2 380

- (1) 2 714
- (2) 2 814
- (3) 3 248
- (4) 3 224

3. $5\,370\text{¢} =$ _____

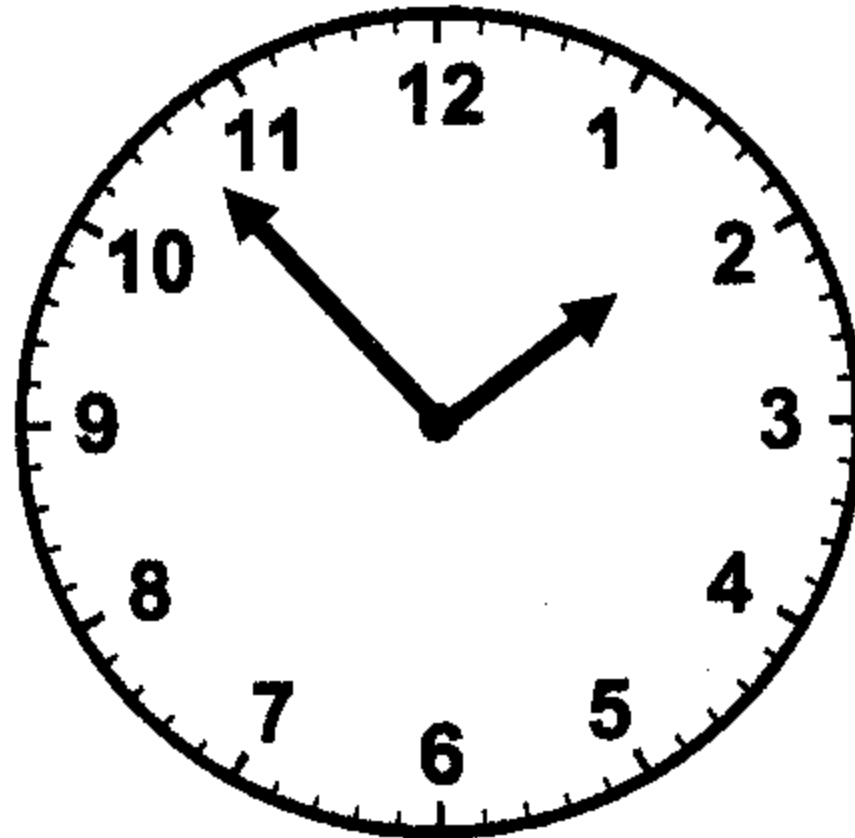
- (1) \$5.37
- (2) \$53.70
- (3) \$537
- (4) \$5 370

4. Count the amount of money in the box.



- (1) \$29.45
(2) \$30.45
(3) \$31.45
(4) \$32.45
5. 7 km 5 m = _____ m
- (1) 75
(2) 750
(3) 7 050
(4) 7 005
6. Which set of fractions is arranged in ascending order?
- (1) $\frac{1}{10}$, $\frac{1}{2}$, $\frac{3}{5}$
(2) $\frac{3}{5}$, $\frac{1}{2}$, $\frac{1}{10}$
(3) $\frac{1}{2}$, $\frac{1}{10}$, $\frac{3}{5}$
(4) $\frac{3}{5}$, $\frac{1}{10}$, $\frac{1}{2}$

7. The time shown on the clock face is _____.



- (1) 7 minutes past 1
- (2) 7 minutes to 2
- (3) 10 minutes past 10
- (4) 10 minutes to 10

8. Which of the following numbers has the digit 5 in the hundreds place?

- (1) 9 645
- (2) 6 753
- (3) 8 512
- (4) 5 489

9. $4\,321 + 1\,534 = \boxed{} - 1\,043$

- (1) 3 830
- (2) 4 812
- (3) 5 855
- (4) 6 898

10. What is the missing number in the box?

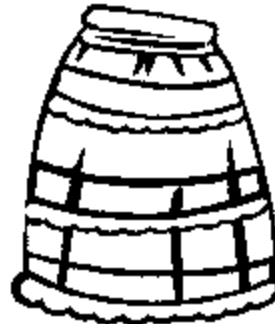
$$1\ 357 - 1\ 077 = \boxed{\ ?\ } \times 4$$

- (1) 70
- (2) 280
- (3) 606
- (4) 1 120

11.



\$21.99



\$25.99

Hannah has \$20 in her purse.

How much more money does she need to buy the T-shirt and the skirt?

- (1) \$1.99
- (2) \$5.99
- (3) \$27.98
- (4) \$47.98

12. Ahmad bought a book and 6 identical pens for \$47.
The book and a pen cost \$37.
What was the cost of the book?

- (1) \$10
- (2) \$2
- (3) \$35
- (4) \$84

13. What is the sum of $\frac{1}{3}$ and $\frac{2}{9}$?

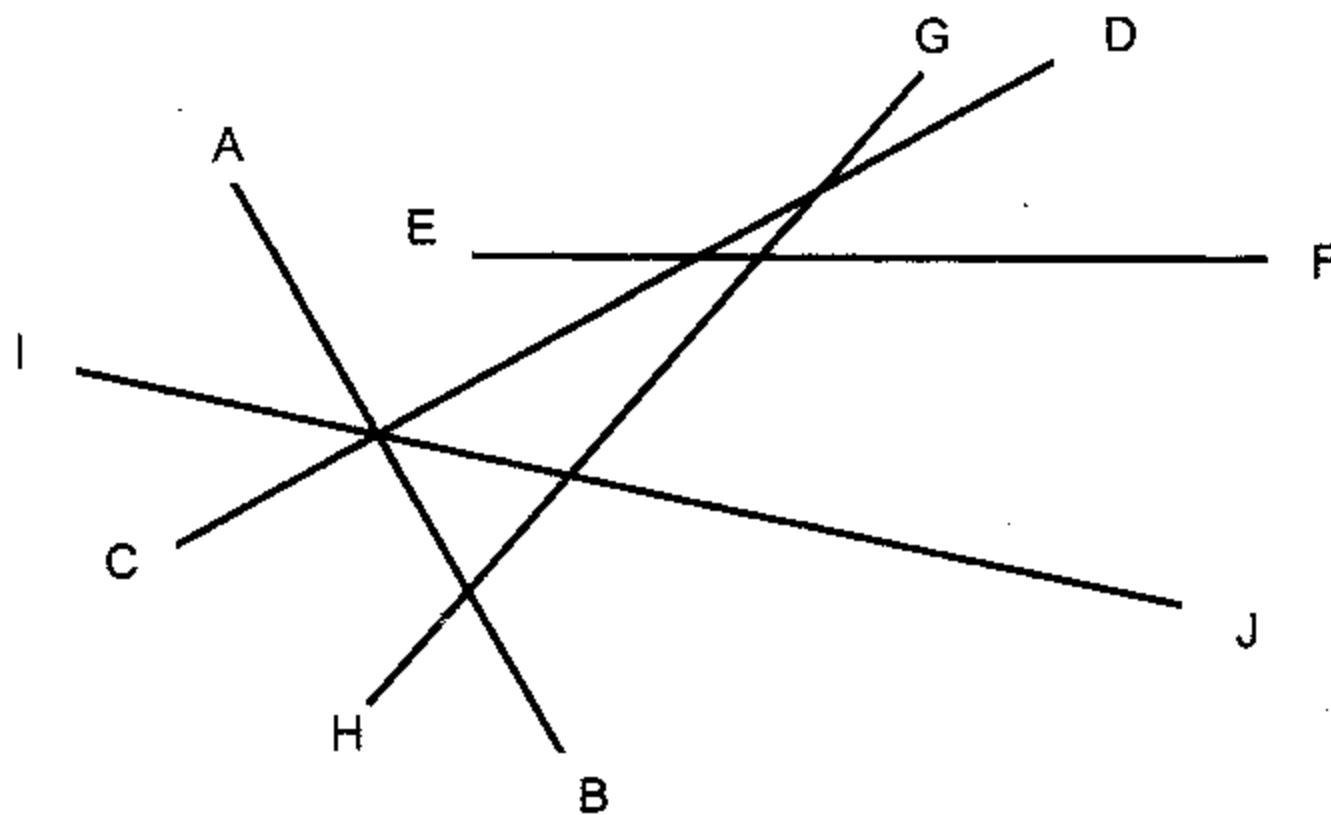
(1) $\frac{1}{9}$

(2) $\frac{1}{6}$

(3) $\frac{3}{12}$

(4) $\frac{5}{9}$

14. All lines drawn in the diagram below are straight lines.



Which line is perpendicular to line CD?

(1) AB

(2) EF

(3) GH

(4) IJ

15. What is the **smallest even** number that is greater than 34 tens?

- (1) 32
- (2) 36
- (3) 340
- (4) 342

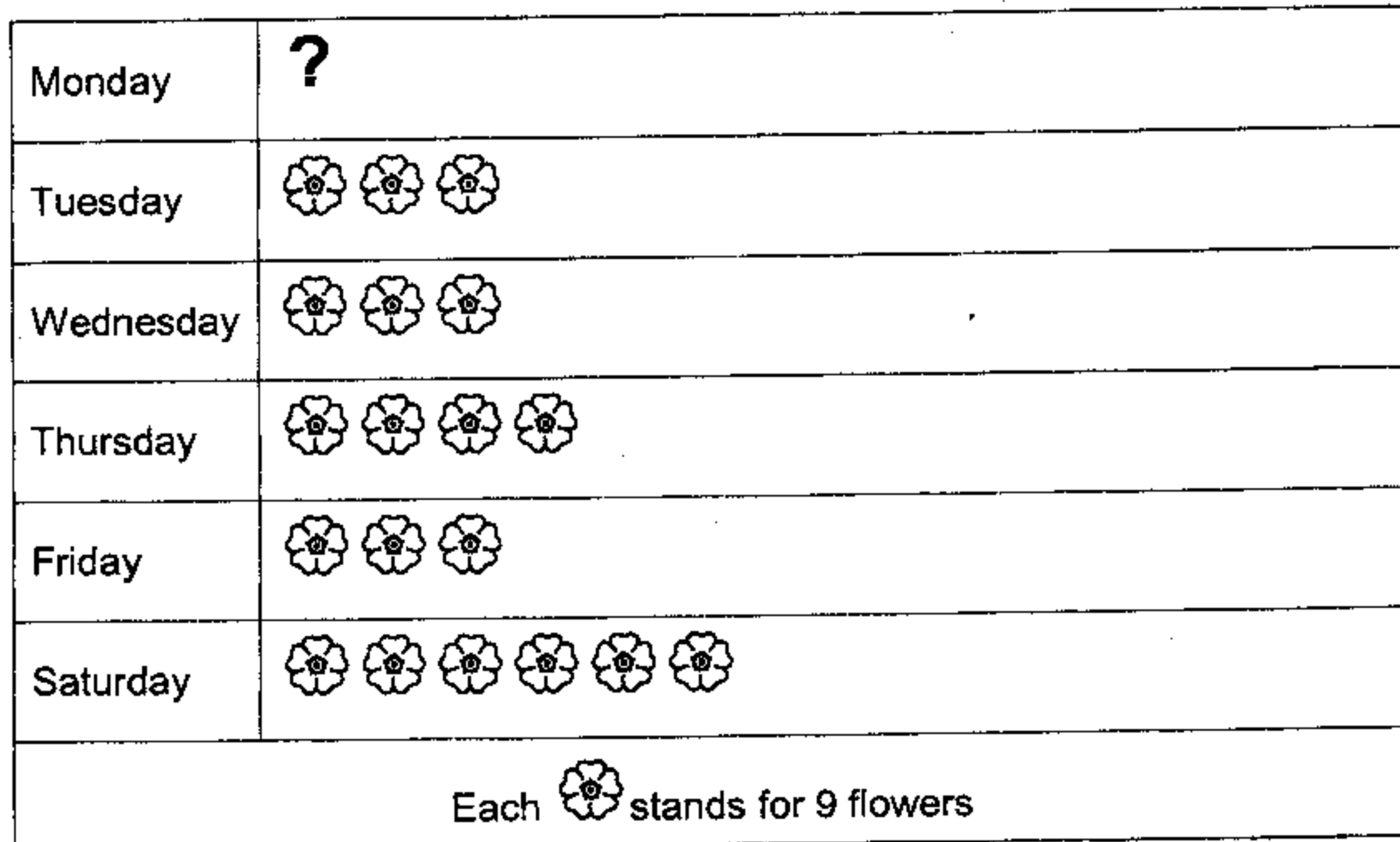
16. Devi had 35 pencils.
Anna had 5 times as many pencils as Devi.
How many more pencils did Anna have than Devi?


- (1) 7
- (2) 30
- (3) 140
- (4) 175

17. Which one of the following is an equivalent fraction of $\frac{1}{4} + \frac{5}{12}$?

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

18. The picture graph below shows the number of flowers sold at Jane's flower shop.



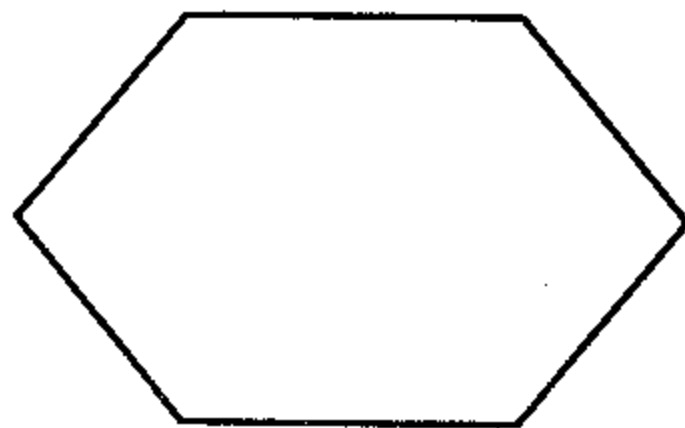
If Jane sold 189 flowers altogether from Monday to Saturday, how many  should be drawn in the picture graph above for Monday?

- (1) 18
- (2) 2
- (3) 19
- (4) 171

19. When Tina's clock shows 3 p.m., Peter's clock shows 1 p.m.
What time would Tina's clock show when Peter's clock shows 3.30 p.m.?

- (1) 2.00 p.m.
- (2) 2.30 p.m.
- (3) 5.00 p.m.
- (4) 5.30 p.m.

20. How many angles are there in the figure?



- (1) 6
- (2) 8
- (3) 10
- (4) 16



**HOUGANG PRIMARY SCHOOL
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MATHEMATICS
PRIMARY 3**

Name : _____ ()

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Date : 3 November 2009

BOOKLET B

20 short-answer questions (40 marks)

5 structured / long- answer questions (20 marks)

Total time for Booklets A and B : 1h 45min

Section	Max. Marks	Marks Obtained
MCQ	40	
Short-Answer	40	
Structured	20	
TOTAL	100	

Parent's Signature : _____

Section B (40 marks)

Each question from 21 to 40 carries 2 marks.

Write your answers in the space provided. Give your answer in the unit stated.

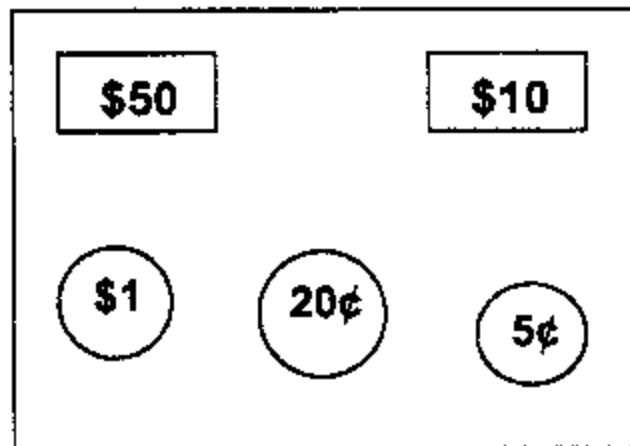
21. Write **9 805** in words.

Ans: _____

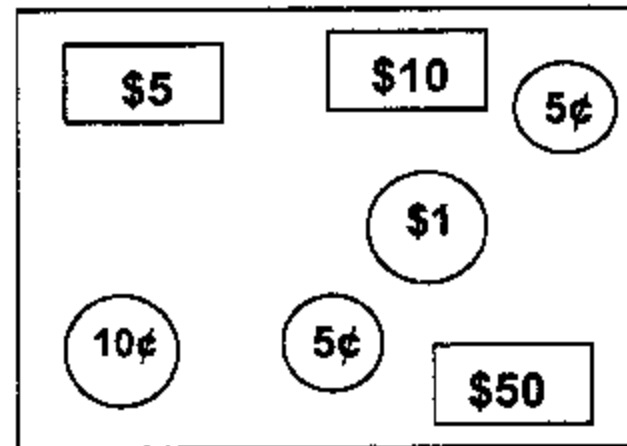
22. What is the product of 531 and 7?

Ans: _____

23. These are the savings of two girls, Jane and Amanda.



Jane's savings



Amanda's savings

Who has saved more money?

Ans: _____



24. What is the missing denominator in the bracket?

$$\frac{4}{5} = \frac{16}{[?]}$$

Ans: _____

25. Amirul's watch is 10 minutes faster than the actual time.
What is the actual time if his watch shows 7.05 a.m.?

Ans: _____ a.m.

26. Arrange the following numbers in descending order.

5 289 , 5 892 , 5 298 , 5 829

Ans: _____

27. Add 4 051 to 1 829. Subtract the sum from 9 304.

Ans: _____



28. What is 60 ¢ more than \$18.75?

Ans: \$ _____

29. David bought a pair of sports shoes for \$129.
How much change did he get if he gave the cashier \$200?

Ans: \$ _____

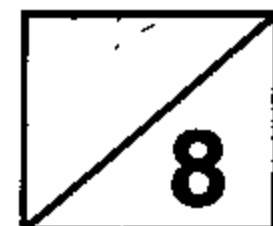
30. Mrs Tan drank 2 l 500 ml of water on Monday.
She drank 500 ml less water on Tuesday than on Monday.
What was the total volume of water Mrs Tan drank on Monday and Tuesday?

Ans: _____ ml

31. Write "greater than", "smaller than" or "equal to" on the line below
to make the statement true.

$\frac{4}{5}$ is $\frac{9}{10}$

Ans: _____

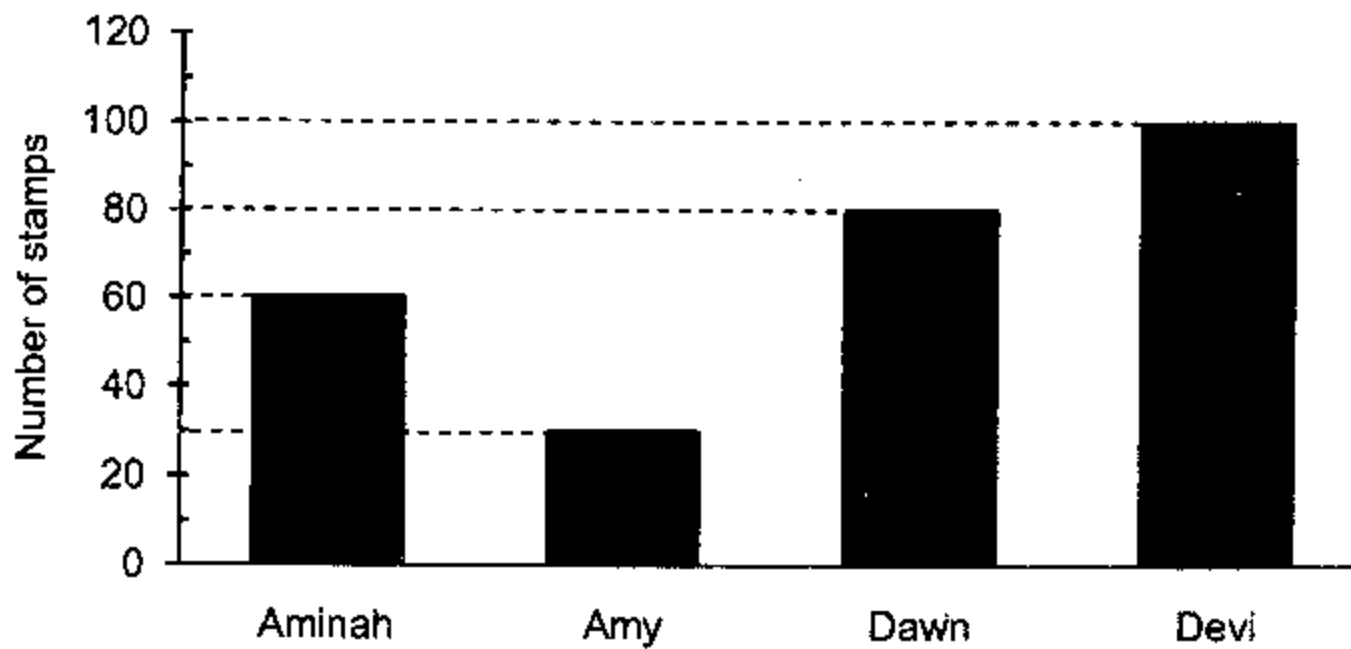


32. How many angles in the figure below are smaller than a right angle?



Ans: _____

For questions 33 and 34, refer to the graph shown.
The bar graph shows the number of stamps 4 children have.



33. How many more stamps than Amy does Dawn have?

Ans: _____ stamps

34. How many stamps must Devi give Aminah so that both have the same number of stamps?

Ans: _____ stamps



35. Study the pattern below.

15	30	90	180
3	6	18	?

What is the missing number?

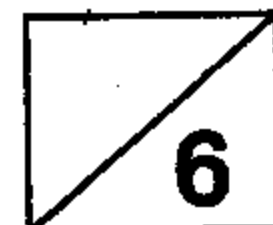
Ans: _____

36. When a number is divided by 5, the quotient is 172 and the remainder is 3.
What is the number?

Ans: _____

37. Benson has 10 fifty-cent coins.
He decides to exchange all his coins for five-dollar notes.
How many five-dollar notes would he have?

Ans: _____



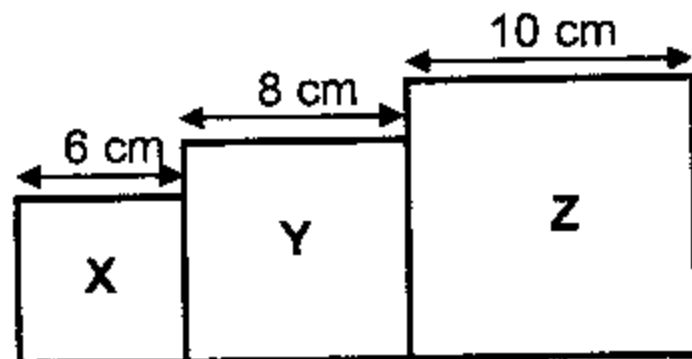
38. Teck Meng wants to buy a toy and a book.
The book costs \$37 and the toy costs \$15 more than the book.
How much money does he need to buy them?

Ans: \$ _____

39. Alison has to reach school by 7a.m.
She needs 40 minutes to wash up and have breakfast and another 20 minutes
to walk to school.
What time must Alison wake up?

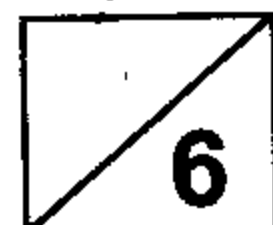
Ans: _____ a.m.

40. The figure below is made up of 3 squares, X, Y and Z.



What is the area of the figure?

Ans: _____ cm²



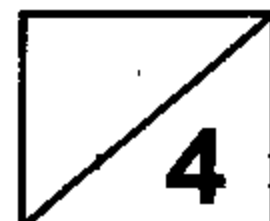
Section C (20 marks)

Write your answer to question 41 to 45 in the spaces provided.

For each question, show your workings clearly in the space below it.

41. Ahmad and Dexter have 500 stamps altogether.
Ahmad has 50 stamps more than Dexter.
How many stamps does Ahmad have?

Ans: _____



42. Devi bought 4 T-shirts at \$12 each and a few pairs of shorts at \$8 each. She spent \$72 altogether. How many pairs of shorts did she buy?

Ans: _____ [4]



43. Zack took 5 h 30 min to travel from Town X to Town Y.
Kody took 6 h 45 min to travel the same distance.
Both of them left Town X at 8 a.m.
- (a) How much longer did Kody take to reach Town Y?
 - (b) What time would Kody reach Town Y?

Ans: (a) _____ [2]

(b) _____ [2]



44. Christine had 3 times as many erasers as Belinda.
Belinda had twice as many erasers as Amelia.
If the three girls had 432 erasers altogether, how many erasers fewer did Amelia have than Christine?

Ans: _____ [4]



45. There are 4 bags of marbles, P, Q, R and S.
The number of marbles in each bag is shown in the table below.

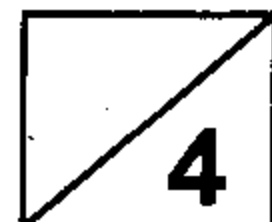


Bag	Number of marbles
P	270
Q	348
R	256
S	114

How many marbles do you need to take out from Bag P so that each of the four bags contains an equal number of marbles?

Ans: _____ [4]

~~~~End of Paper~~~~



# Hougang Primary School - 2009 - P3- SA2 - Mathematics

## Booklet A - MCQ :

- |        |        |        |        |        |
|--------|--------|--------|--------|--------|
| (01) 4 | (02) 2 | (03) 2 | (04) 4 | (05) 4 |
| (06) 1 | (07) 2 | (08) 3 | (09) 4 | (10) 1 |
| (11) 3 | (12) 3 | (13) 4 | (14) 1 | (15) 4 |
| (16) 3 | (17) 3 | (18) 2 | (19) 4 | (20) 1 |

## Booklet B :

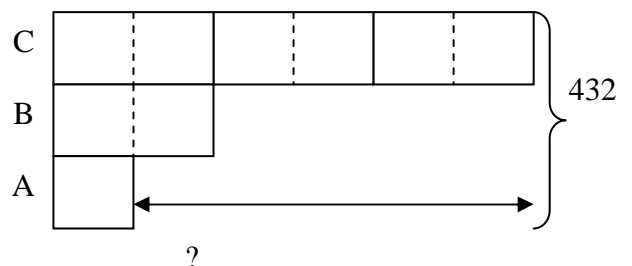
- |                                             |             |                             |           |
|---------------------------------------------|-------------|-----------------------------|-----------|
| (21) Nine thousand, eight hundred and five. | (22) 3717   | (23) Amanda                 |           |
| (24) 20                                     | (25) 6.55am | (26) 5892, 5829, 5298, 5289 |           |
| (27) 3424                                   | (28) 19.35  | (29) 71                     | (30) 4500 |
| (31) smaller than                           | (32) 2      | (33) 50                     | (34) 20   |
| (35) 36                                     | (36) 863    | (37) 1                      | (38) 89   |
| (39) 6.00                                   | (40) 200    |                             |           |

- (41)  $500 - 50 = 450$   
 $450 \div 2 = 225$   
 $225 + 50 = 275 \rightarrow$  Ans : Ahmad has 275 stamps altogether.

- (42)  $\$12 \times 4 = \$48$   
 $\$72 - \$48 = \$24$   
 $\$24 \div 8 = 3 \rightarrow$  Ans : She bought 3 shorts.

- (43)  $6h - 5h = 1h$   
 $45\text{min} - 30\text{min} = 15\text{min}$   
 a) Kody took 1 hour 15minutes longer to reach town Y  
 b) Kody reached town Y at 2:45pm

- (44)  $432 + 9 = 48$   
 $48 \times 5 = 240$   
 $\rightarrow$  Ans : Amelia has 240 erasers lesser than Christine.



- (45)  $270 + 348 + 256 + 114 = 988$   
 $988 \div 4 = 247$   
 $270 - 247 = 23 \rightarrow$  Ans : 23 marbles need to be taken out of bag P.