



**NANYANG PRIMARY SCHOOL**  
**SECOND SEMESTRAL EXAMINATION**  
**2009**

**PRIMARY 3**  
**MATHEMATICS**

**DURATION: 1 HOUR 45 MINUTES**

<b>Section A</b>	<b>/ 40</b>
<b>Section B</b>	<b>/ 40</b>
<b>Section C</b>	<b>/ 20</b>

<b>Total:</b>	<b>/ 100</b>
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Name: \_\_\_\_\_ (       )

Class: Primary 3 (       )

Date: 29 October 2009

Parent's Signature: \_\_\_\_\_

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.  
FOLLOW ALL INSTRUCTIONS CAREFULLY.  
ANSWER ALL QUESTIONS.

### 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.

(Total: 40 marks)

1. 6704 is the same as \_\_\_\_\_.

☐ (1)  $4 + 7 + 6000$

☒ (3)  $40 + 700 + 6000$

☒ (2)  $4 + 70 + 6000$

☒ (4)  $4 + 700 + 6000$

2. 2846 is 153 less than \_\_\_\_\_.

☒ (1) 2693

☒ (3) 2713

☒ (2) 2999

☒ (4) 3009

3. Rina had 1820 cupcakes at her bakery.  
After selling some cupcakes, she had 1450 cupcakes left.  
How many cupcakes did she sell?

☒ (1) 350

☒ (3) 430

☒ (2) 370

☒ (4) 3270

4. Joe had 423 game cards and Lance had 398 game cards.  
After Joe gave some game cards to Lance, Joe still had 15 game cards more than Lance.  
How many game cards did Joe give to Lance?

☒ (1) 5

☒ (3) 25

☒ (2) 10

☒ (4) 40

5. In a particular week, a toy factory produced 825 soft toys each day, from Monday to Saturday.  
How many soft toys did the factory produce from Monday to Saturday?

☒ (1) 4820  
☒ (3) 5645

☒ (2) 4950  
☒ (4) 5775

6. Samantha bought some packets of balloons for her birthday party. There were 8 balloons in each packet.  
After she used 10 packets to decorate the house, she had 7 packets left.  
How many balloons did she buy at first?

☒ (1) 24  
☒ (3) 136

☒ (2) 70  
☒ (4) 150

7. Mr Lee gave 520 sacks of rice equally to 8 old folks' homes.  
How many sacks of rice did each old folks' home get?

☒ (1) 52  
☒ (3) 72

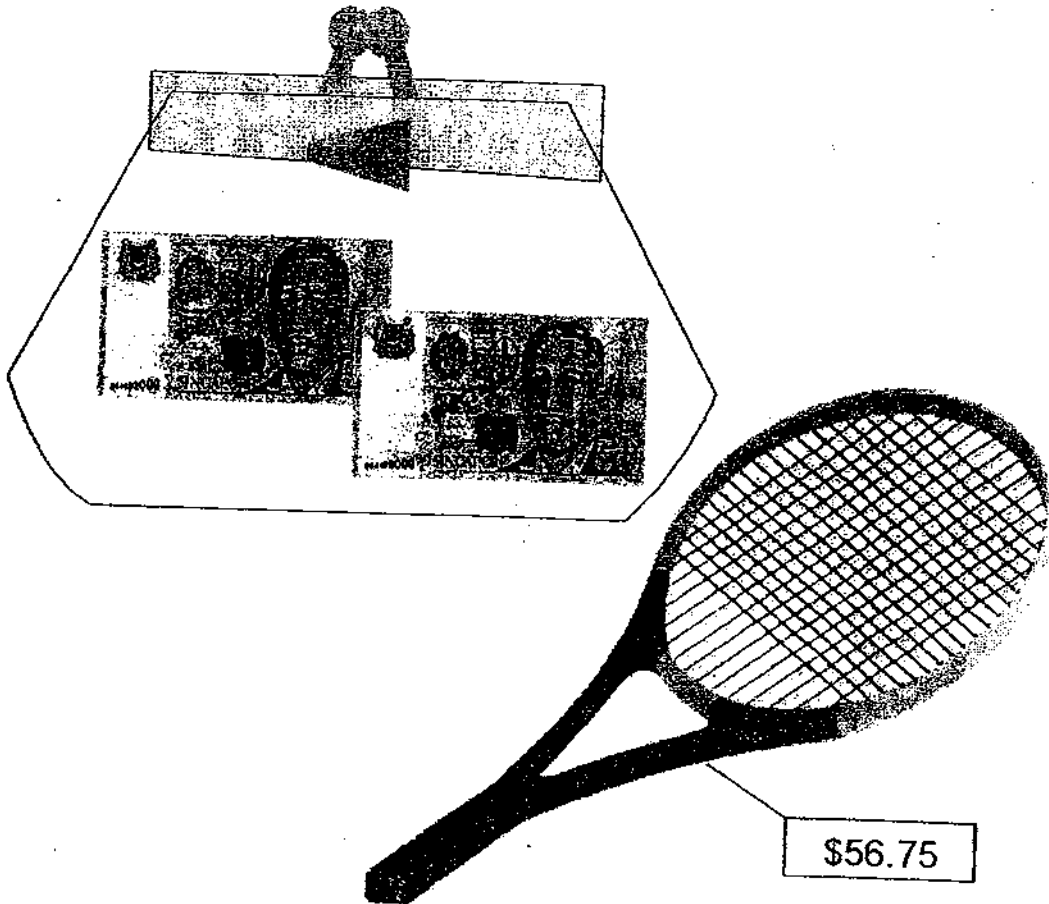
☒ (2) 65  
☒ (4) 85

8. Tony saved \$21.70 in July and \$15.60 in August.  
How much did he save in all?

☒ (1) \$5.10  
☒ (3) \$36.30

☒ (2) \$6.10  
☒ (4) \$37.30

9. Madam Rohaini had this amount of money in her purse at first. After she bought the tennis racket, how much money did she have left?



☒ (1) \$43.25  
☐ (3) \$44.35

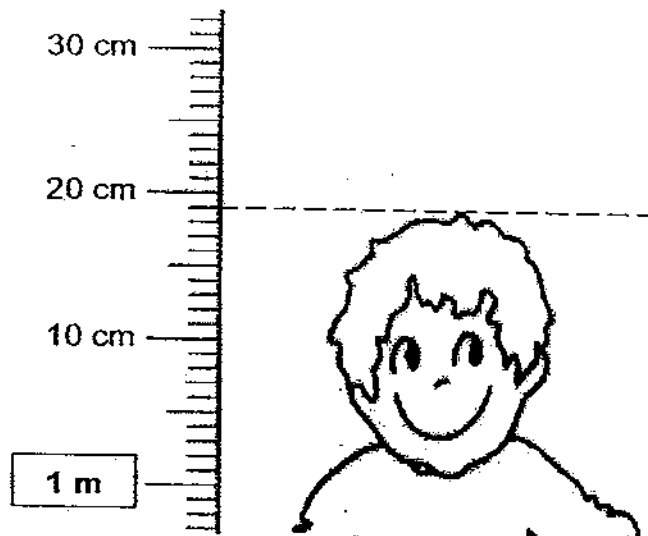
☐ (2) \$43.75  
☒ (4) \$44.75

10. A piece of cloth is 2 m 36 cm long.  
 A piece of rope is 1 m 86 cm longer than the piece of cloth.  
 What is the length of the rope?

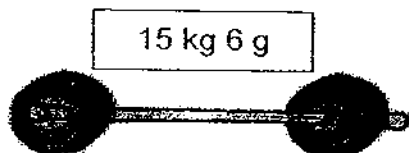
☒ (1) 3 m 12 cm  
☐ (3) 4 m 22 cm

☐ (2) 3 m 32 cm  
☒ (4) 4 m 32 cm

11. What is the height of the boy in the picture below?



- ☒ (1) 19 cm                      ☒ (2) 119 cm  
☒ (3) 121 cm                    ☒ (4) 1019 cm
12. What is the mass of the object below in grams?



- ☒ (1) 1 506 g                      ☒ (2) 15 006 g  
☒ (3) 15 060 g                    ☒ (4) 15 600 g
13. Sally had a pail containing 5 l of water.  
 She used 1 l 385 ml of it to water the plants and 2 l 48 ml of it to wash the dishes.  
 How much water had she left?

- ☒ (1) 1 l 135 ml                    ☒ (2) 1 l 567 ml  
☒ (3) 3 l 367 ml                    ☒ (4) 3 l 615 ml

14. Ahmad took 1 h 20 min to travel from Town A to Town B.  
He took another 2 h 45 min to travel from Town B to Town C.  
What was the total time taken by Ahmad to travel from Town A to Town C?

~~(1)~~ 1 h 25 min  
~~(3)~~ 3 h 15 min

~~(2)~~ 3 h 5 min  
~~(4)~~ 4 h 5 min

15. Which of the following is not an equivalent fraction of  $\frac{2}{3}$ ?

~~(1)~~  $\frac{4}{6}$

~~(2)~~  $\frac{6}{9}$

~~(3)~~  $\frac{8}{12}$

~~(4)~~  $\frac{10}{18}$

16. Express  $\frac{9}{15}$  in its simplest form.

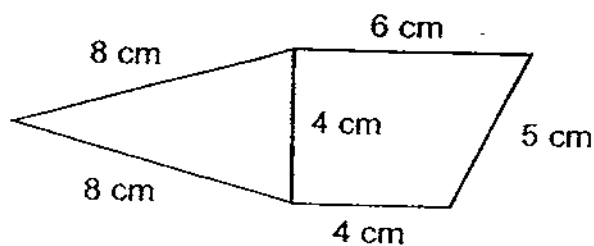
~~(1)~~  $\frac{1}{3}$

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

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

~~(4)~~  $\frac{3}{8}$

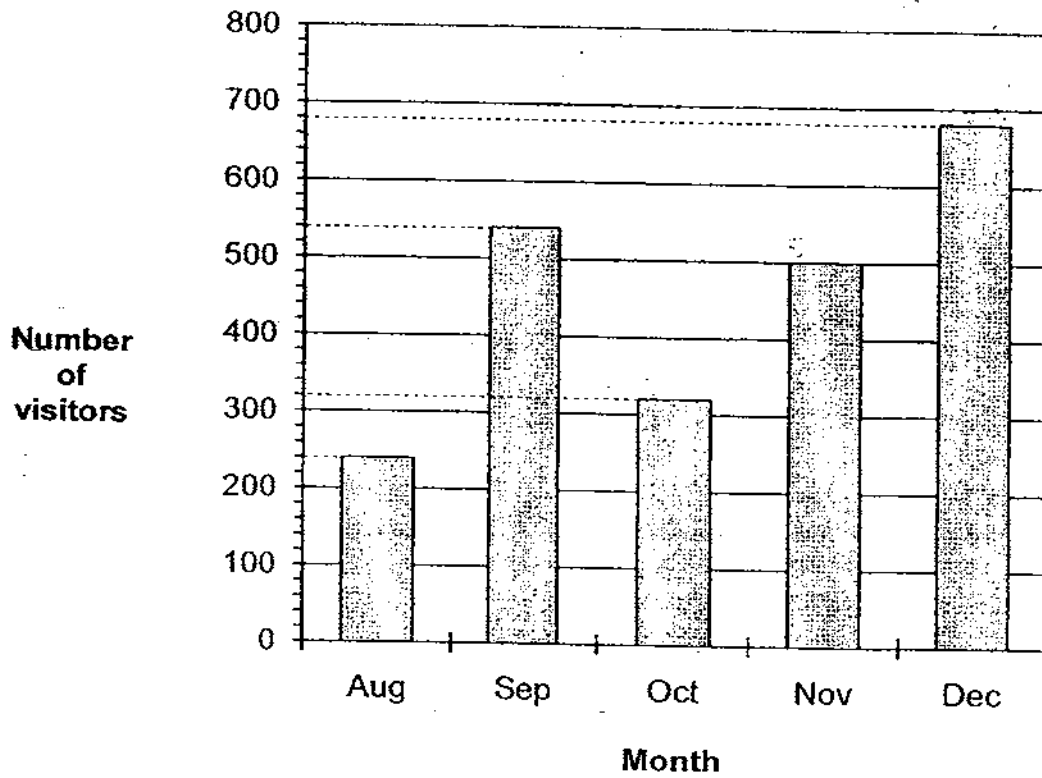
17. What is the perimeter of the figure below?



~~(1)~~ 23 cm  
~~(3)~~ 31 cm

~~(2)~~ 29 cm  
~~(4)~~ 35 cm

18. The bar graph below shows the number of visitors to the Butterfly Park from August to December.

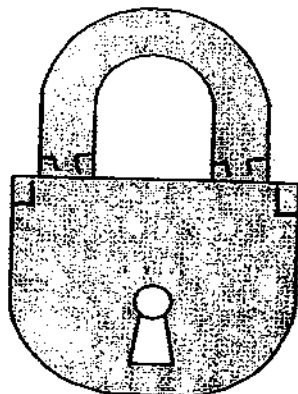


How many people visited the Butterfly Park in September?

- ~~(1)~~ 500  
~~(3)~~ 520

- ~~(2)~~ 502  
~~(4)~~ 540

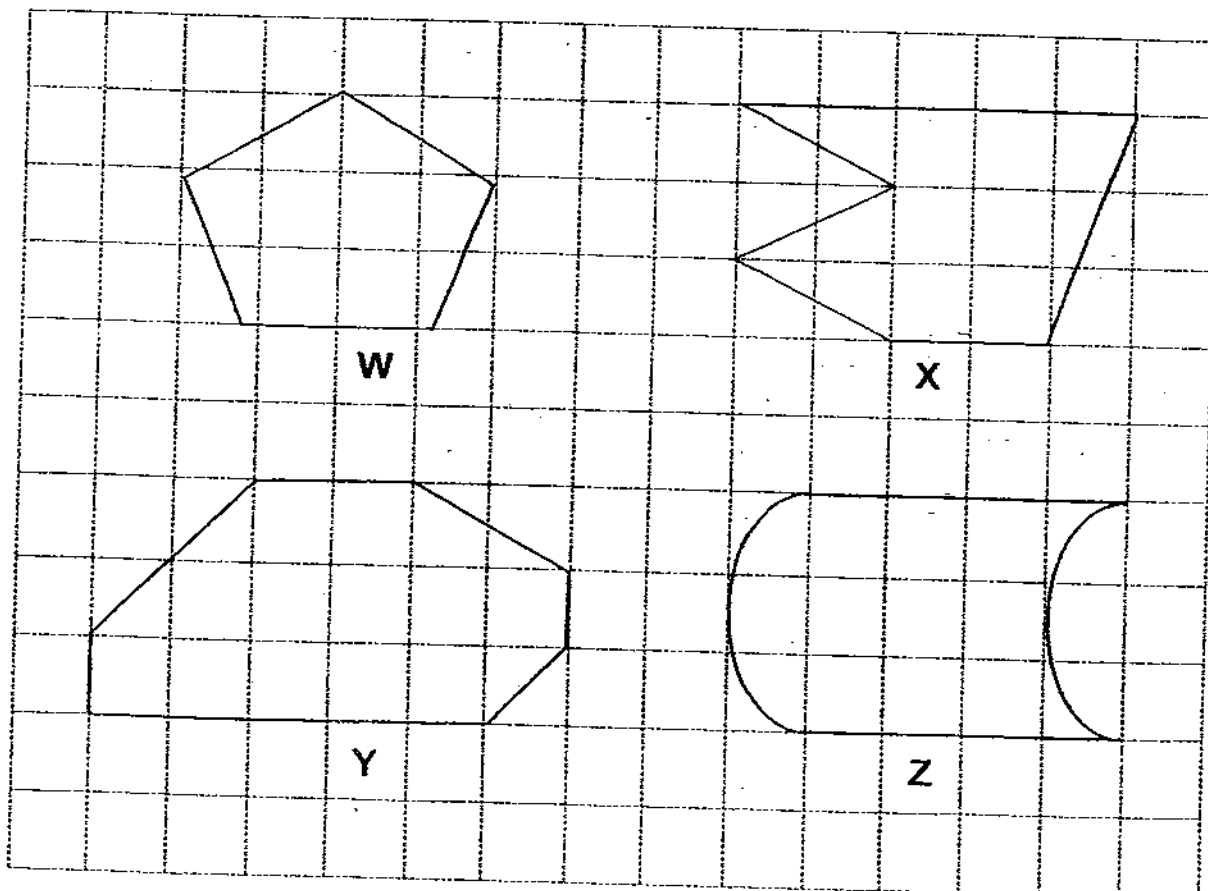
19. How many right angles are there in the figure below?



~~(1)~~ 6  
~~(3)~~ 7

~~(2)~~ 2  
~~(4)~~ 4

20. Which of the following figures has **both** perpendicular and parallel lines in the same figure?



~~(1)~~ W  
~~(3)~~ Y

~~(2)~~ X  
~~(4)~~ Z



**Section B**

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

21. 25 hundreds + 4 tens + 6 ones = ?

Answer : \_\_\_\_\_

22. Arrange the numbers below in **descending** order.

3511

3155

3513

\_\_\_\_\_

23. What is the greatest 4-digit **even** number that can be formed with the digits given below? (Each digit can only be used **once**.)

3

8

2

7

Answer : \_\_\_\_\_

24. What is the value of M?

$$\begin{array}{r} 296 \\ 197 \quad 99 \\ \hline \end{array}$$

$$\begin{array}{r} 496 \\ 297 \quad 199 \\ \hline \end{array}$$

$$\begin{array}{r} M \\ 397 \quad 299 \\ \hline \end{array}$$

Answer : \_\_\_\_\_

25. Pranu has half as many coins as Hanwei in his coin collection at first. If Pranu collects another 65 coins, he will have 135 coins. How many coins does Hanwei have?

Answer : \_\_\_\_\_

26. What are the missing digits?

$$\begin{array}{r} 1 \boxed{B} 2 \\ \times \quad \quad 7 \\ \hline 1 \quad 1 \quad 3 \quad \boxed{A} \\ \hline \end{array}$$

Answer : A \_\_\_\_\_

B \_\_\_\_\_

27. Miss Zhou packed 215 pineapple tarts into boxes of 9. How many pineapple tarts were left unpacked?

Answer :

28. Convert the following amounts and write in figures.

Five thousand and forty cents	\$
Sixteen dollars and twenty cents	¢

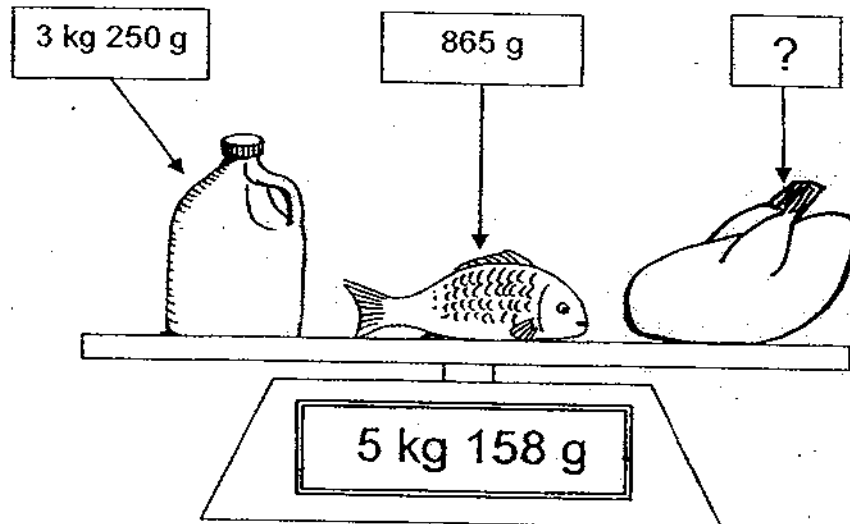
29. Deepak paid the cashier \$10 for a water bottle and received 4 one-dollar coins and 4 twenty-cent coins. How much did the water bottle cost?

Answer : \$ \_\_\_\_\_

30. Faisal ran 5568 m during a charity run. After the run, he cooled himself down by running another 850 m. What was the total distance that he had run?  
(Write your answer in km and m.)

Answer : \_\_\_\_\_ km \_\_\_\_\_ m

31. Veeran went to the supermarket and bought the items below.  
What was the mass of the chicken?



Answer : \_\_\_\_\_ kg \_\_\_\_\_ g

32. A bucket contains  $4 \frac{1}{45}$  ml of water.  
The bucket contains  $3 \frac{1}{65}$  ml of water less than a tank.  
How much water does the tank hold?

Answer : \_\_\_\_\_ l \_\_\_\_\_ ml

33. Arrange the fractions below in **ascending** order.

$$\frac{3}{5}$$

$$\frac{7}{10}$$

$$\frac{3}{7}$$

\_\_\_\_\_

34. During a party, Sue ate  $\frac{5}{12}$  of the pizza.

David ate  $\frac{1}{4}$  of the pizza.

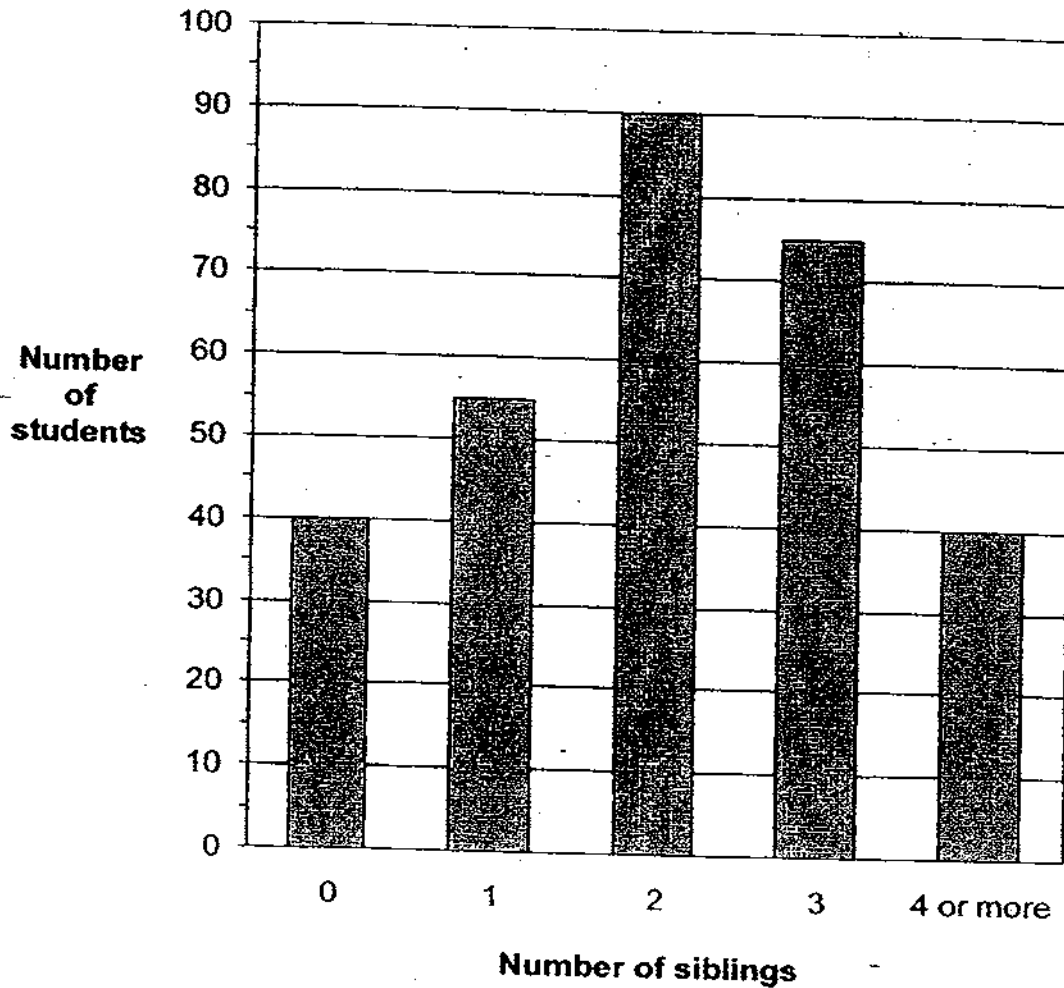
The remaining pizza was shared equally between Amy and Fiona.

What fraction of the pizza did Amy eat?

(Express your answer in its simplest form.)

Answer : \_\_\_\_\_

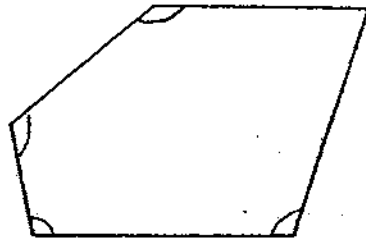
35. A survey was carried out with 300 students from Magnificent Primary School on the number of siblings each student had. The bar graph below shows the information gathered.



How many students had less than 3 siblings?

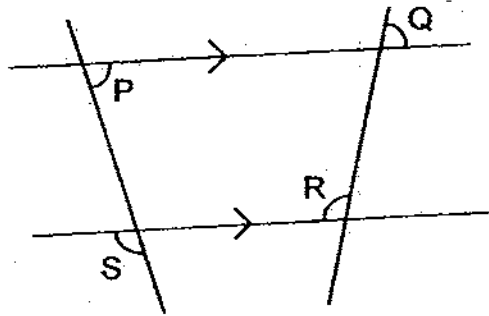
Answer : \_\_\_\_\_

36. How many angles inside the figure below are greater than a right angle?



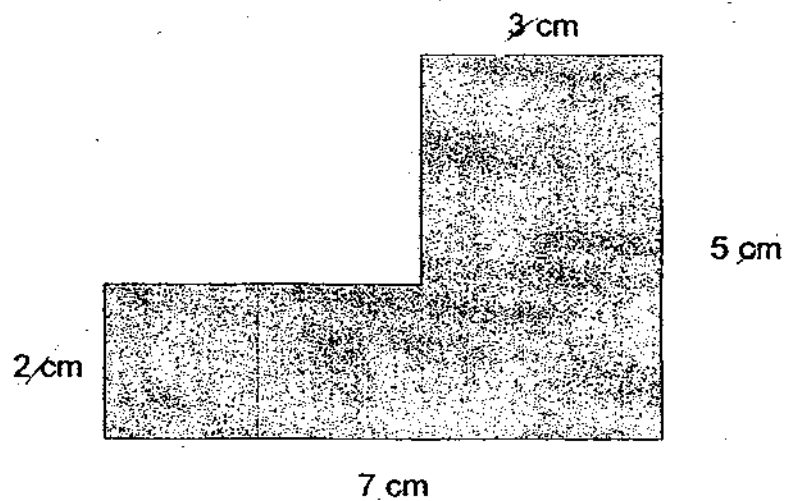
Answer : \_\_\_\_\_

37. Study the figure below.  
Which are the 2 angles that are each smaller than a right angle?



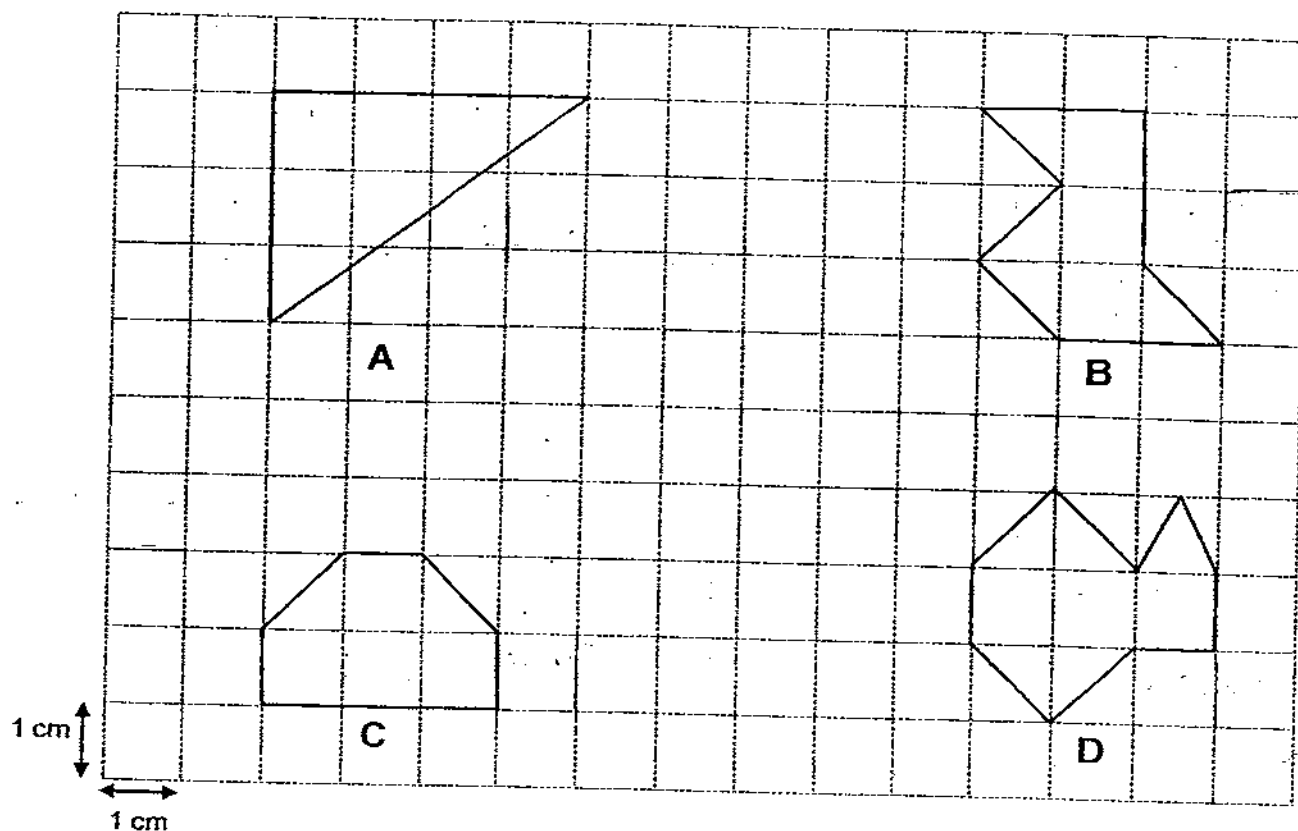
Answer : Angle \_\_\_\_\_ and Angle \_\_\_\_\_

38. Find the perimeter of the shaded figure below.



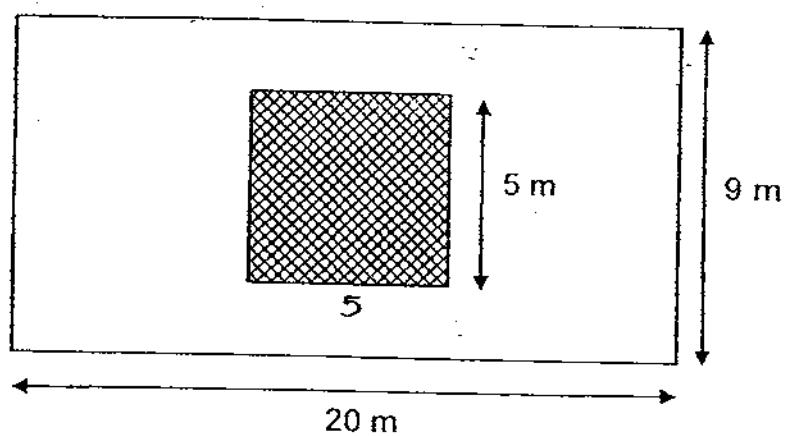
Answer : \_\_\_\_\_ cm

39. Which of the following figures has the greatest area?



Answer : \_\_\_\_\_

40. Mrs Veroni has used a square patch in her rectangular garden to grow tulips.  
What area of her garden is still not used yet?



Answer : \_\_\_\_\_  $\text{m}^2$



### Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully.  
Show your working clearly in the space provided below each question.

(Total: 20 marks)

41. In March, Mr Segar had 138 fewer red pens than blue pens in his bookshop.  
In April, he bought another 1066 blue pens and 1188 red pens.

- a) Were there more blue pens or red pens in April?
- b) What was the difference between the number of blue pens and red pens in April?

42. Bernice took 1 h 46 min to complete her Mathematics homework.  
She took another 2 h 38 min to complete her English project.  
Matthew took a total of 3 h 15 min to complete the same amount of work.

- a) How much more time did Bernice take to complete her English project than her Mathematics homework?
- b) How much more time did Bernice take to complete all her work than Matthew?


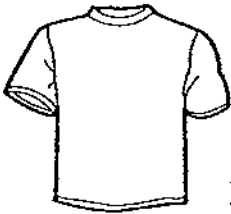


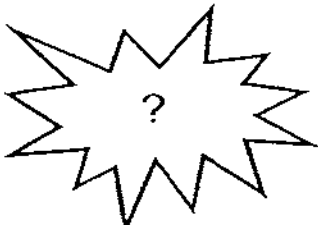
43. The total mass of 3 boxes is 563 kg.  
Box C is 3 times as heavy as Box B.  
Box B is 42 kg heavier than Box A.  
What is the mass of Box A?

44. 5 boys went for a swim.  
All of them swam more than 2 laps but less than 8 laps.  
None of them swam the same number of laps.  
Mike swam the most number of laps.  
Nick swam an odd number of laps.  
Dan swam 2 more laps than Joe while Peter swam 1 more lap than Joe.

- a) Using the information given, complete the table below.  
b) Which two boys swam a total of 8 laps?

Name of boy	Number of laps

45. Jeffrey bought 2 T-shirts and a pair of jeans during the Great Singapore Sale. He saved a total of \$22.30 for the three items. What was the sale price of the pair of jeans?

	Normal Price	Sale Price
	\$20	
	\$35	

☺ End of Paper ☺  
Please Check Carefully



# Answer Ke

## EXAM PAPER 2009

**SCHOOL : NANYANG PRIMARY**  
**SUBJECT : PRIMARY 3 MATHEMATICS**  
**TERM : SA2**

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

Q18	Q19	Q20
4	1	3

- 21)2546      22)3513, 3511, 3155      23)8732      24)696      25)2570
- 26)A: 4    B: 6      27)8 pineapple tarts      28)\$50.40, 1620¢      29)\$5.20
- 30)6km 418m      31)1kg 43g      32)7L 110ml      33)3/7, 3/5, 7/10
- 34)1/6      35)185 students      36)4      37)Q and P      38)24cm
- 39)A      40)155m<sup>2</sup>

- 41)a)1066+138=1204 more blue pens.  
 b)1204-1188=16

- 43)42kgx4=168kg  
 563kg-168kg=395kg  
 395kg÷5=79kg

- 42)60+46=106  
 120+38=158  
 158-106=52  
 106+158=264  
 180+15=195  
 264-195=69

- 44)Mike=7  
 Nick=3  
 Dan=6  
 Joe=4  
 Peter=5  
 Peter and Nick

- a)She took 52 more minutes.  
 b)She took 1h 9 minutes longer.

- 45)\$20.00-\$14.90=\$5.10  
 \$5.10+\$5.10=\$10.20  
 \$22.30-\$10.20=\$12.10  
 \$35.00-\$12.10=\$22.90

The sale price of the pair of jeans is  
 \$22.90