

SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT 2004
PRIMARY 4
MATHEMATICS

S17

Name: _____ ()

Date: _____

Primary 4

Time: 1 h 45 min

PART 1 (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.

1. The digit 1 in 40 169 is in the _____ place.

(1) ones

(2) tens

(3) hundreds

(4) thousands

2. The difference between 5 hundreds and 50 thousands is _____.

(1) 450

(2) 4 500

(3) 49 500

(4) 49 950

3. When 6 027 is divided by 8, the remainder is _____.

(1) 1

(2) 2

(3) 3

(4) 4

4. _____ is a factor of 8.

(1) 48

(2) 32

(3) 16

(4) 4

5. $7\frac{3}{5}$ is the same as _____

~~(1)~~ $\frac{73}{5}$

~~(3)~~ $\frac{35}{5}$

~~(2)~~ $\frac{38}{5}$

~~(4)~~ $\frac{10}{5}$

6. $\frac{1}{2}$ of a complete turn is _____

~~(1)~~ 90°

~~(3)~~ 270°

~~(2)~~ 180°

~~(4)~~ 360°

7. What is the smallest even number that can be formed using the digits 3, 9, 2, 0 and 6?

~~(1)~~ 20 369

~~(3)~~ 20 936

~~(2)~~ 20 396

~~(4)~~ 20 963

8. $585 \div 9 = 60 + \square$

~~(1)~~ 5

~~(3)~~ 60

~~(2)~~ 15

~~(4)~~ 65

9. The first common multiple of 4, 6 and 12 is _____

~~(1)~~ 6

~~(3)~~ 24

~~(2)~~ 12

~~(4)~~ 48

10. Which one of the following is the best estimate of 505×28 ?

- ~~(1)~~ 500×20
~~(2)~~ 500×30

- ~~(3)~~ 510×20
~~(4)~~ 510×30

11. $\frac{1}{4} + \frac{7}{12} = \frac{5}{\square}$

The missing denominator is _____.

- ~~(1)~~ 6
~~(2)~~ 10

- ~~(3)~~ 12
~~(4)~~ 16

The table below shows the number of children in 4 classes in a certain school. Complete the table and answer questions 12 and 13.

Class	Wear spectacles	Do not wear spectacles	Total
4A	12	29	41
4B	9	31	40
4C	9	28	37
4D	9	30	39
	39	118	157

12. How many children are there in 4B?

- ~~(1)~~ 39
~~(2)~~ 40

- ~~(3)~~ 41
~~(4)~~ 42

13. Find the difference between the number of children who do not wear spectacles and those who do in the 4 classes.

- ~~(1)~~ 39
~~(2)~~ 79

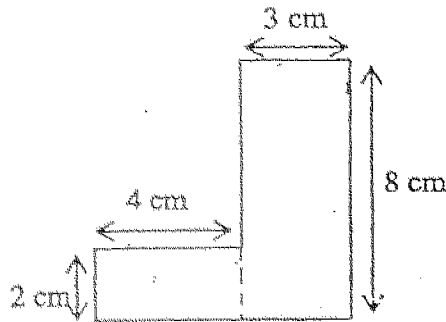
- ~~(3)~~ 118
~~(4)~~ 157

14. How many complete turns make 12 right angles?

- (1) 6
(2) 2

- (3) 3
(4) 4

15. What is the area of the shape shown below?



- (1) 28 cm²
(2) 30 cm²

- (3) 32 cm²
(4) 34 cm²

16. What is the ^{difference} ~~difference~~ in the values of the digit 9 in 99 034?

- (1) 81 000
(2) 81 034

- (3) 81
(4) 0

17. Melanie paid \$28 for 4 books at a sale. She saved \$8 altogether. If each book cost the same amount, how much was each book before the sale?

- (1) \$5
(2) \$7

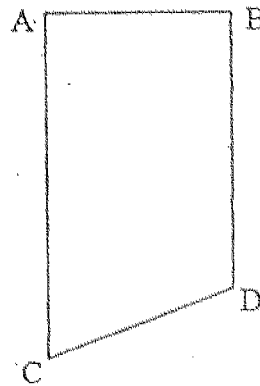
- (3) \$9
(4) \$15

18. Mrs Lee bought 36 apples. $\frac{1}{9}$ of the apples were rotten. How many were good apples?

- (1) 35
(2) 32

- (3) 27
(4) 4

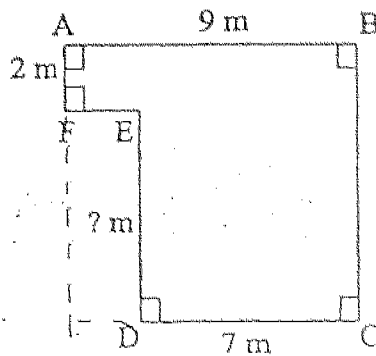
19. In the figure below, which one of the statements is correct?



- (1) $AB \perp CD$
(2) $BD \perp AC$

- (3) $AB \parallel CD$
(4) $AC \parallel BD$

20. The perimeter of the figure shown below is 36 m. What is the length of DE?



- (1) 7 m
(2) 9 m

- (3) 16 m
(4) 18 m

Name: _____ ()

Date: _____

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Primary 4

Time: 1 h 45 min

Part 2

Section A (2 marks each)

Write your answers in the spaces provided. All working must be clearly shown.
Give your answer in the units stated.

1. Subtract 495 from 9 300. The answer is _____

Ans: _____

2. List all the factors of 12.

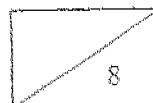
Ans: _____

3. 8 052 is _____ when rounded off to the nearest hundred.

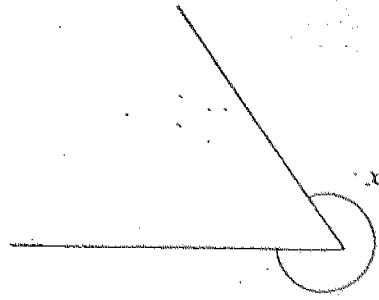
Ans: _____

4. Express $\frac{34}{8}$ as a mixed number. Give your answer in its simplest form.

Ans: _____



5. Measure $\angle x$ with a protractor.

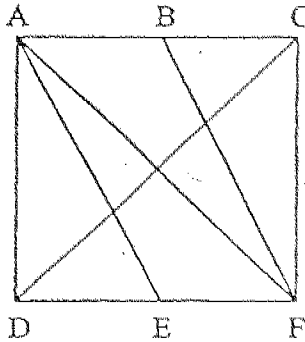


Ans: _____

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6. ~~ABED~~ is a square. CD is ~~perpendicular to~~ _____.

~~ACDF~~
~~ACFD~~



Ans: _____

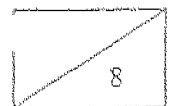
7. 40 thousands and 15 hundreds is the same as _____ tens.

Ans: _____

8. What is the missing number in the box below?

$$\begin{array}{r} 7 \square 5 \\ \times \quad 6 \\ \hline 4230 \end{array}$$

Ans: _____



9. The sum of the product of 324 and 15 and the quotient of $763 \div 7$ is

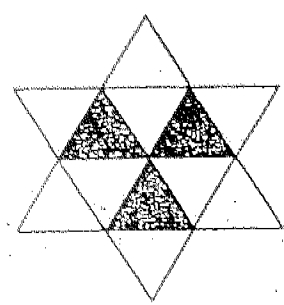
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Ans: _____

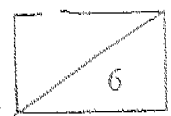
10. What is the difference between 598 and 2 034? Round off your answer to the nearest ten.

Ans: _____

11. All the small triangles in the figure below are of the same size. How many ~~more~~ triangles must be shaded so that $\frac{3}{4}$ of the figure is shaded?
more

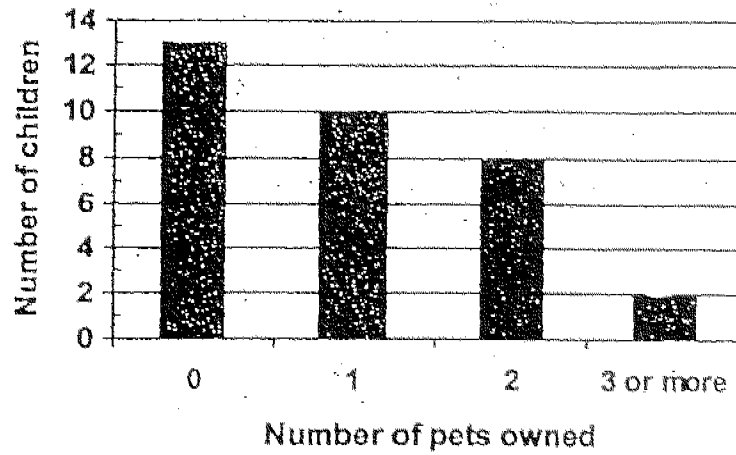


Ans: _____



The graph below shows the number of pets owned by a group of children in a class. Use the graph to answer questions 12 and 13.

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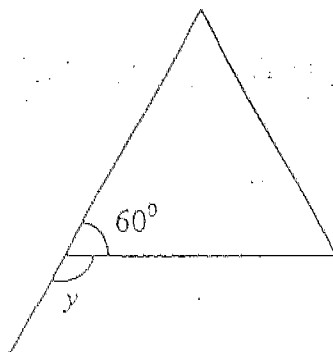
12. How many children are there in the class?

Ans: _____

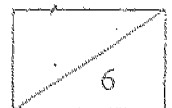
13. How many children have at least one but fewer than 3 pets?

Ans: _____

14. Find angle y in the diagram below.

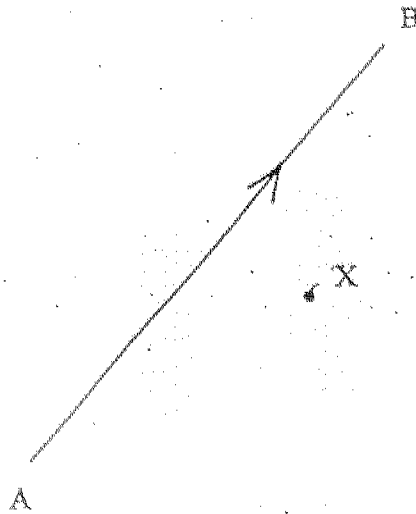


Ans: _____

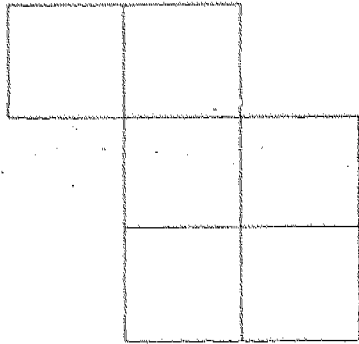


15. Draw a line parallel to the line AB through the point X.

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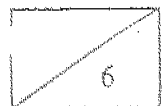
16. The area of each of the squares below is 4 cm^2 . Find the perimeter of the figure.



Ans: _____ cm

17. Mrs Young bought 3 T-shirts at \$15 each and 4 skirts for \$22. How much did she spend altogether?

Ans: \$ _____



18. A man earns \$4 560 in 3 months. How much does he earn in a year?

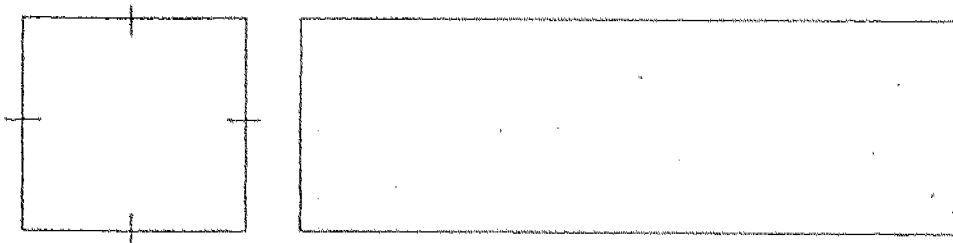
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Ans: \$ _____

19. There are 12 l of water in a container. If it is $\frac{4}{5}$ full, what is the capacity of the container?

Ans: _____ l

20. The square below has an area of 81 m^2 . The area of the rectangle is thrice as much as that of the square shown below. Find the length of the rectangle.



Ans: _____



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Part 2

Section B (4 marks each)

Work out the following problems. All working must be clearly shown in the spaces provided.

The number of marks available is shown in brackets [] at the end of each question or part-question.

21 Michael had \$2 878. Two months later, his savings increased to \$4 312. He then shared this amount of money equally with his 7 other siblings.

- (a) How much did he save in the 2 months?
- (b) How much did each of them get?

(a) _____ [2]

(b) _____ [2]

22. A piece of rope is cut into 3 different lengths, A, B and C. Piece A is 18 m long. Piece B is $\frac{2}{9}$ of the length of Piece A. Piece C is the difference in length between Piece A and Piece B. What is the length of Piece C?

Ans: _____ [4]



23. Johni wants to cut 4-cm square pieces from a rectangular piece of wooden plank which is 30 cm long and 24 cm wide. What is the maximum number of pieces he will get?

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Ans: _____ [4]

24. Meng and Kim had an equal amount of money. After spending \$36, Meng had \$24 left. Kim saved some more money and she had thrice as much money as Meng.

- (a) How much money did each of them have at first?
(b) How much more money did Kim have than Meng in the end?

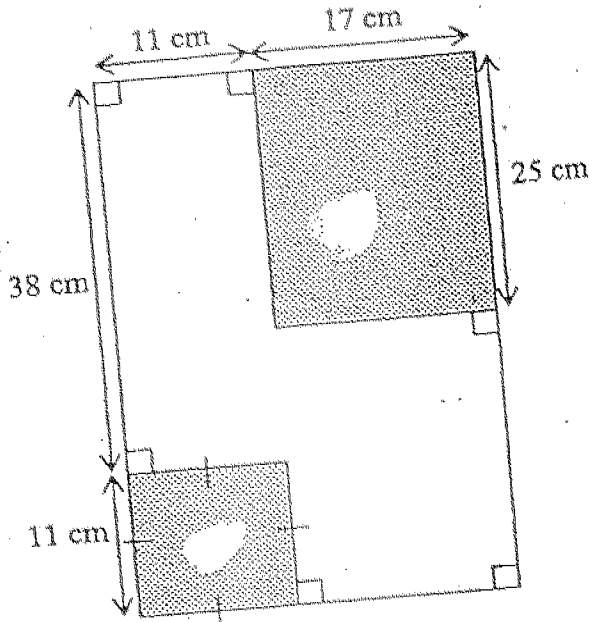
Ans: (a) _____ [2]

(b) _____ [2]

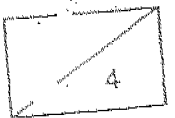


25. In the figure below, find the area of the unshaded part.

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Ans: _____ [4]



- END OF PAPER -

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FIRST SEMESTRAL ASSESSMENT 2004
PRIMARY FOUR
MATHEMATICS

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- 1) 3 PART 2
- 2) 3 1) 8805 20) 27
- 3) 3 2) 1, 2, 3, 4, 6, and 12 21) a)
- 4) 4 3) 8100 b)
- 5) 2 4) $4 \frac{1}{4}$ 22) 14 m
- 6) 2 5) 305 23) 42
- 7) 2 6) CD 1 AF 24) a) \$ 60
- 8) 1 7) 4150 b) 48
- 9) 2 8) 0 25) 826 cm^2
- 10) 2 9) 4969
- 11) 1 10) 1440
- 12) 2 11) 6 more triangles
- 13) 2 12) 33 children
- 14) 3 13) 18 children
- 15) 3 14) 120
- 16) 1 15)
- 17) 3 16) 24
- 18) 2 17) \$ 67
- 19) 4 18) \$ 18240
- 20) 1 19) 15