

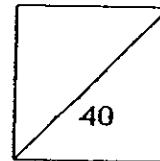


**HENRY PARK PRIMARY SCHOOL
2008 SEMESTRAL EXAMINATION TWO
MATHEMATICS
PRIMARY-5**

PAPER 1

Name: _____ ()

Class: Primary _____



**30 Questions
40 Marks**

Total Time for Booklet A and B: 50 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

READ AND FOLLOW INSTRUCTIONS CAREFULLY.

YOU ARE NOT ALLOWED TO USE A CALCULATOR.

Booklet A:

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each of the questions, four options are given. One of them is the correct answer. Choose the correct answer (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet provided.
(20 marks)

1. Divide 42 000 by 70. The answer is _____

- (1) 6
- (2) 60
- (3) 600
- (4) 6 000

()

2. The population of a town is 568 064. Express this number to the nearest hundred.

- (1) 568 000
- (2) 568 700
- (3) 568 800
- (4) 569 000

()

3. Find the length of a cube if its volume is 64 cm³.

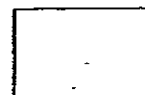
- (1) 8 cm
- (2) 2 cm
- (3) 16 cm
- (4) 4 cm

()

4. $\frac{4}{9} \div 6 = \boxed{?}$. What is the missing number in the box?

- (1) $\frac{2}{27}$
- (2) $\frac{4}{15}$
- (3) $\frac{8}{3}$
- (4) $\frac{27}{2}$

()



5. There are 360 apples in an orchard. $\frac{2}{5}$ of the apples are rotten. How many apples are not rotten?

- (1) 72
- (2) 120
- (3) 144
- (4) 216

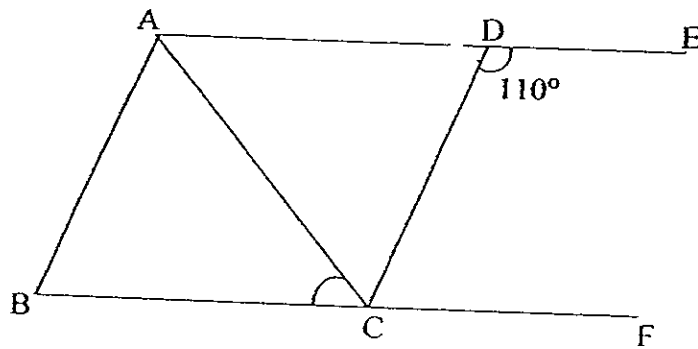
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6. Which one of the following is the same as 1 km 38 m?

- (1) 1.38 km
- (2) 1.308 km
- (3) 1.038 km
- (4) 0.138 km

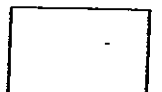
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7. ABCD is a rhombus. ADE and BCF are straight lines. Find $\angle ACB$.

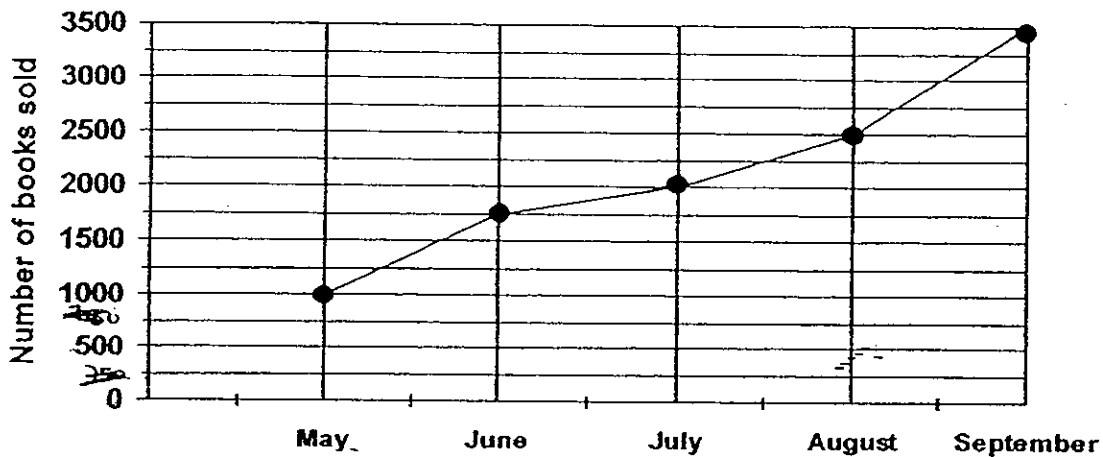


- (1) 35°
- (2) 55°
- (3) 70°
- (4) 110°

()

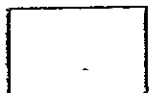


8. The line graph below shows the number of books sold by Pioneer Bookshop from May to September.



During which 1-month period was the increase in the number of books being sold the greatest?

- (1) Between May and June
(2) Between June and July
(3) Between July and August
(4) Between August and September ()
9. Express the ratio of 60 g to 3 kg in its simplest form.
- (1) 1:5
(2) 1:50
(3) 2:1
(4) 20:1 ()
10. Thomas bought 50 marbles. 24 of them were red while the rest were blue. What percentage of the marbles was blue?
- (1) 13%
(2) 24%
(3) 48%
(4) 52% ()



11. What is the value of $45 - 5 \times 8 + 6 \div 2$?

- (1) 8
- (2) 2
- (3) 163
- (4) 323

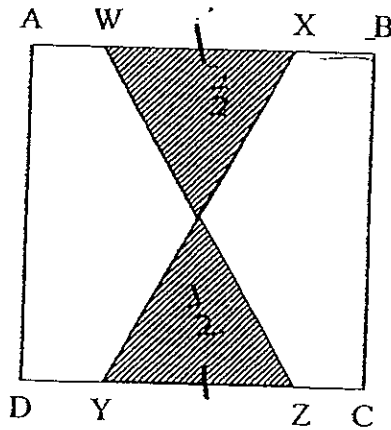
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12. Find the total surface area of a cube if its volume is 125 cm^3 .

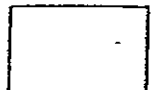
- (1) 5 cm^2
- (2) 25 cm^2
- (3) 30 cm^2
- (4) 150 cm^2

()

13. In the figure below, ABCD is a square. The length of YZ is $\frac{1}{2}$ of CD and $WX = YZ$. What fraction of the square is shaded?



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



14. Timothy bought a pair of jeans at a discount of 20%. He gave the cashier \$100 and received \$40 change. What was the original price of the pair of jeans?

- (1) \$15
- (2) \$45
- (3) \$60
- (4) \$75

()

15. Each pupil in a class was given either 2 or 3 rubber bands for a Math game. The ratio of the number of pupils to the number of rubber bands was 7 : 17. What fraction of the pupils received 3 rubber bands each?

- (1) $\frac{3}{10}$
- (2) $\frac{3}{7}$
- (3) $\frac{4}{7}$
- (4) $\frac{7}{10}$

()



NAME: _____

CLASS: P5 _____

Booklet B:

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16. Find the difference between 34 595 and 17 327.

Answer: _____

17. $118 \times 544 = 64\,192$

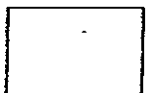
$117 \times 544 = \boxed{}$

What is the missing value in the box?

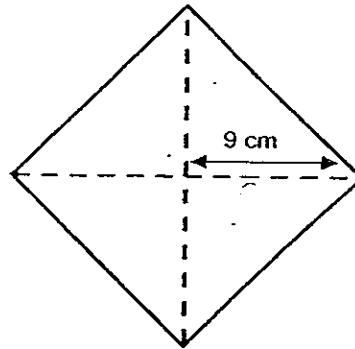
Answer: _____

18. What is the maximum number of cubes of side 4 cm that can be put into a rectangular box 16 cm long, 11 cm wide and 6 cm high?

Answer: _____



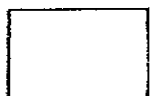
19. The four corners of a square piece of paper were folded inwards to form the following square below. What was the area of the paper before it was folded?



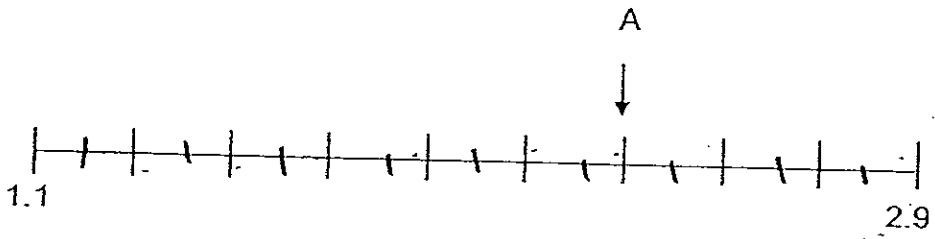
Answer: _____ cm²

20. A container, full of sand, weighs 760 g. When the container is $\frac{1}{5}$ full, its mass is 280 g. What is the mass of the sand when the container is full?

Answer: _____ g



21. What is the value of A in the number line?

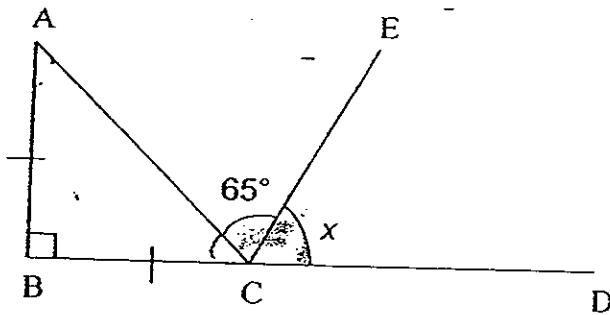


Answer: _____

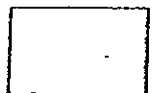
22. What number is 0.01 more than 0.789?

Answer: _____

23. In the figure below, ABC is a right-angled isosceles triangle. BD is a straight line. Find the value of $\angle x$.



Answer: _____



24. Parcel A has a mass of 600 g. The total mass of Parcels B and C is the same as the mass of Parcel A. What is the average mass of the 3 parcels?

Answer: _____ g

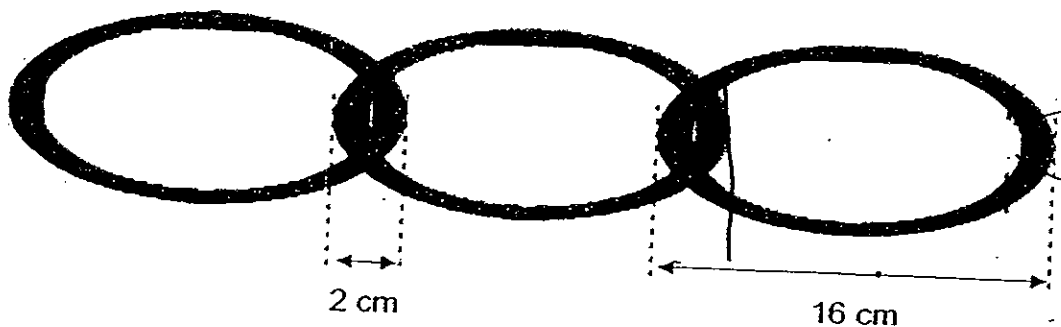
25. The ratio of the number of apples to the number of oranges to the number of pears is 8 : 6 : 3. If there are 138 more oranges than pears, how many apples are there altogether?

Answer: _____



Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

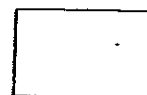
26. A chain is made up of similar rings that are interlinked together as shown in the diagram below. Find the length of the chain that has 50 such rings interlinked together.



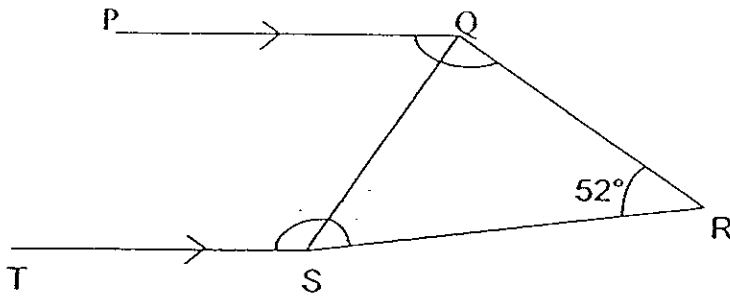
Answer: _____ cm

27. 1.5 l of syrup is mixed with 3.25 l of water. The mixture is poured into 25 glasses. What is the capacity of each glass in millilitres?

Answer: _____ ml



28. In the figure below, PQ is parallel to ST. Find $\angle PQR + \angle RST$.



Answer: _____°

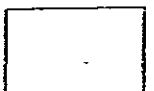
29. The table below shows the number of books borrowed from our school library in 5 weeks. If the average number of books borrowed in the 5 weeks was 180, how many books were borrowed in week 5?

Week	Number of Books
1	245
2	215
3	178
4	122
5	?

Answer: _____

30. 40% of a number is 64. What is 60% of the number?

Answer: _____



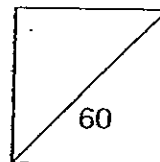


**HENRY PARK PRIMARY SCHOOL
2008 SEMESTRAL EXAMINATION TWO
MATHEMATICS
PRIMARY 5**

PAPER 2

Name: _____ ()

Class: Primary 5 _____



**18 Questions
60 Marks**

Total Time for Paper 2: 1 h 40 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

READ AND FOLLOW INSTRUCTIONS CAREFULLY.

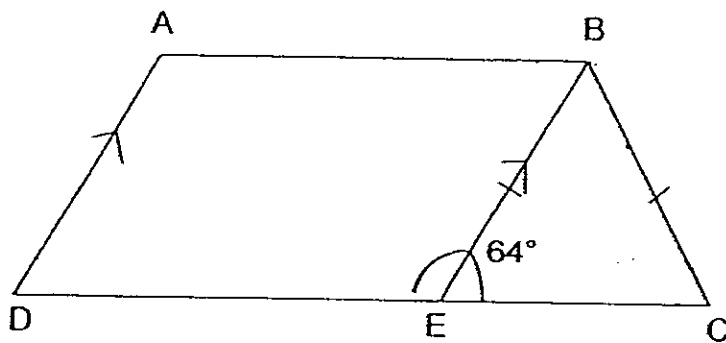
YOU ARE ALLOWED TO USE A CALCULATOR.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

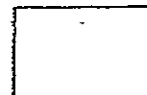
1. If Hillary's savings is $\frac{5}{8}$ of Isabelle's savings. What is the ratio of Isabelle's savings to their total savings?

Answer: _____

2. The figure below shows a trapezium, ABCD. AD is parallel to BE, BE = BC and CED is a straight line. $\angle BEC$ is 64° . Find $\angle ABC$.



Answer: _____



3. The cost of 7 printers and 2 ink cartridges is \$1630. The cost of 7 printers and 1 ink cartridge is \$1585. Find the cost of a printer.

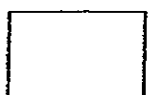
Answer: \$ _____

4. 1 kg of prawns cost \$14.95. How much did Mrs Lee pay for 800 g of prawns?

Answer: \$ _____

5. At a concert, 40% of the audience were men, 40% of the remaining audience were women and the rest were children. What percentage of the people at the concert were children?

Answer: _____ %



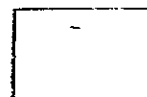
For questions 6 to 18, show your working clearly in the space provided for each question and write your answers in the spaces provided.

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

(50 marks)

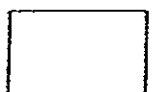
6. Ada, Belinda and Carolyn borrowed all the books in the class library. Ada borrowed $\frac{4}{7}$ of the books. Carolyn borrowed 2 times as many books as Belinda. If Ada borrowed 6 books more than Belinda, how many books did Ada and Carolyn borrow altogether?

Ans: _____ [3]



7. Rachel had 264 m of cloth. She made 24 pieces of tablecloth using 3 m for each piece. Rachel used all of the remaining cloth to make 16 sets of curtains. How much cloth did she use to make one set of curtains?

Ans: _____ [3]

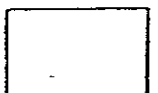


8. The water rates that Singapore Power charges for domestic users are given below:

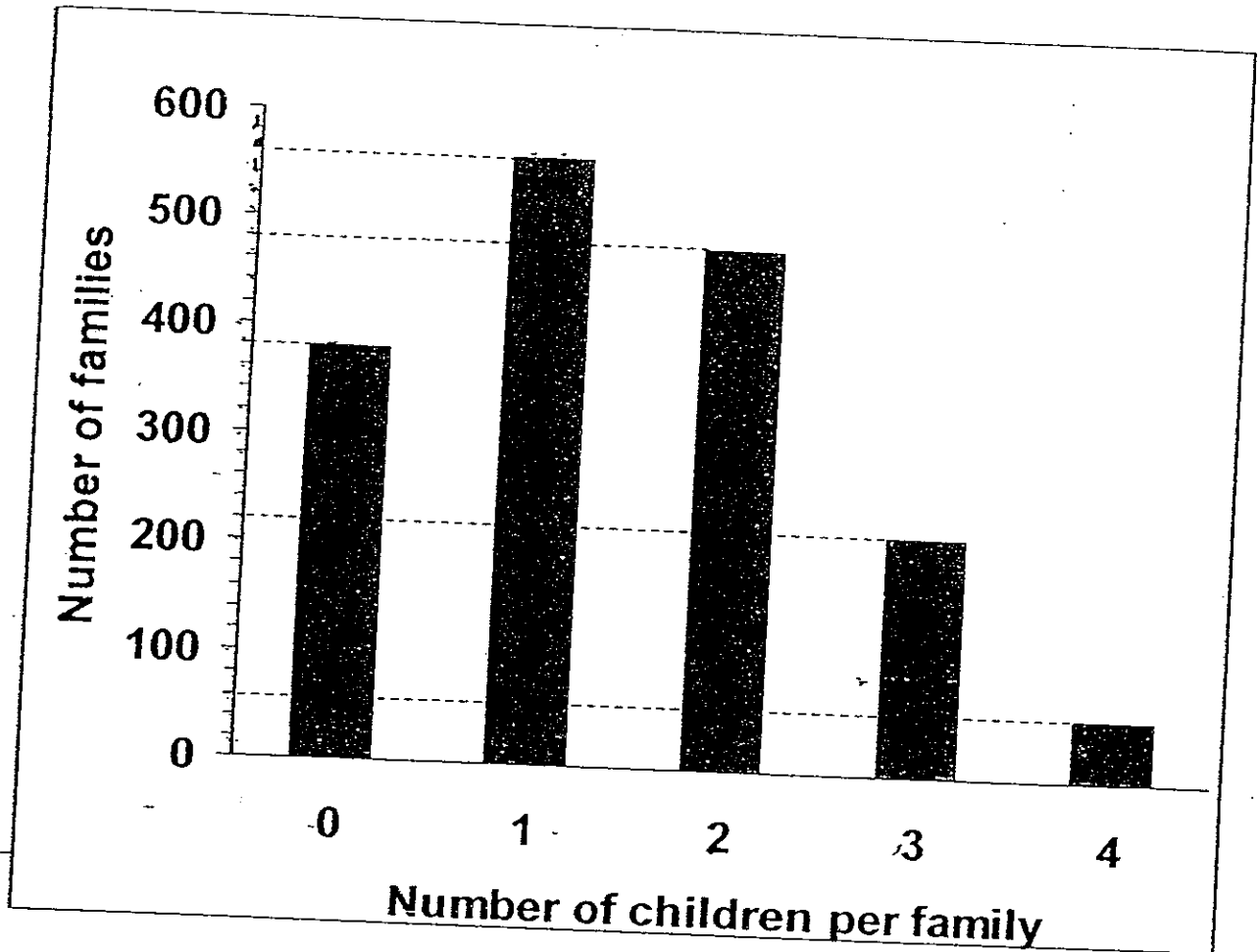
WATER RATES	
First 15 m ³	\$1.25 per m ³
Next 15 m ³	\$1.35 per m ³
Above 30 m ³	\$2.65 per m ³

Mrs Lim's family used 39 m³ of water in December. How much did she pay for her water bill for that month?

Ans: _____ [3]



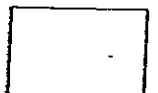
9. The bar graph shows the number of children per family living in a housing estate.



- (a) What is the total number of families living in the estate?
- (b) What is the total number of children living in the estate?

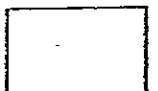
Ans: (a) _____ [1]

(b) _____ [2]

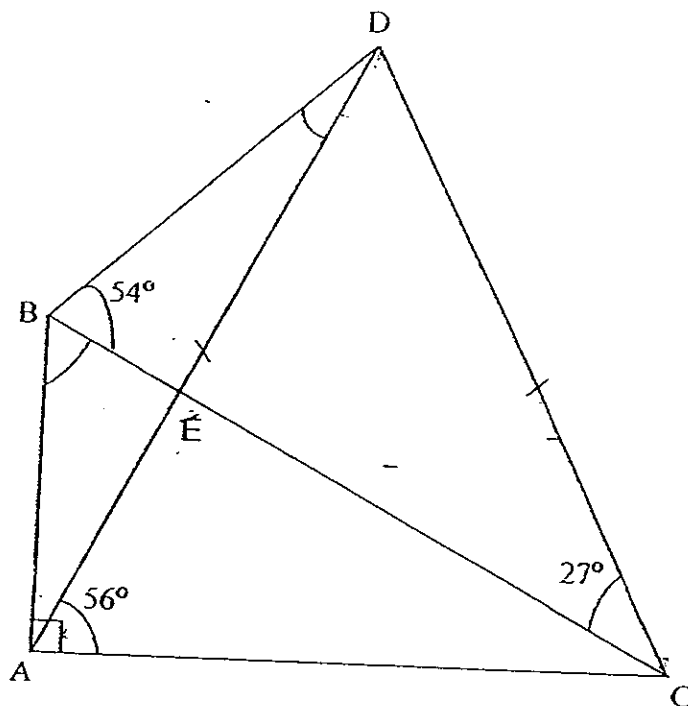


10. A basket contained some peaches and apricots. The ratio of the number of peaches to the number of apricots was $1 : 2$. When 104 more peaches were put into the basket, the ratio of the number of peaches to the number of apricots became $11 : 6$. How many fruits were there in the basket at first?

Ans: _____ [3]



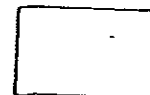
11. In the figure below, ABC is a right-angled triangle, ACD is an isosceles triangle, AED and BEC are straight lines.



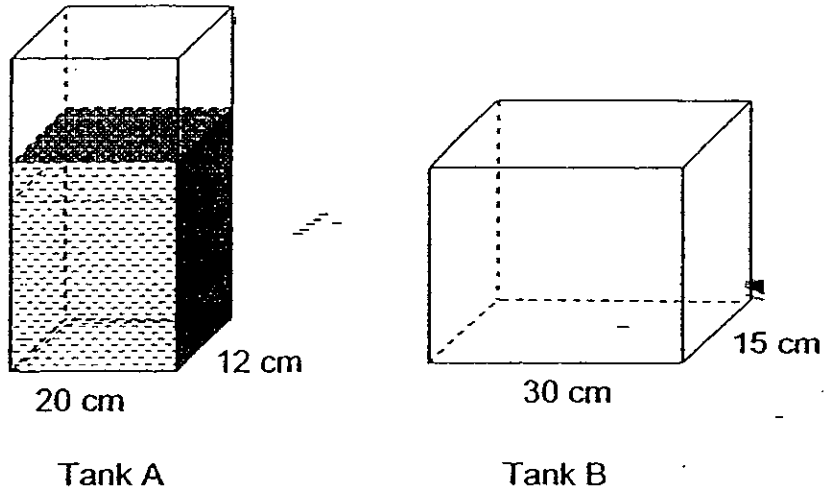
- (a) Find $\angle ABC$
 (b) Find $\angle ADB$.

Ans: (a) _____ [2]

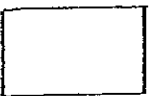
(b) _____ [2]



12. Some water was poured out from Tank A to Tank B which was empty at first. In the midst of pouring, 600 ml of water was spilled out. After pouring the water, the height of the water level in Tank A was 10 cm while the height of the water level in Tank B was 12 cm. What was the volume of the water in Tank A at first?

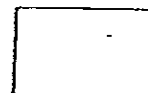


Ans: _____ [4]



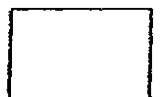
13. Alex spent $\frac{3}{8}$ of his money while Alice spent $\frac{3}{5}$ of her money in a carnival. They found that they had the same amount of money at the end of the carnival. After counting their money, they had a total of \$725 left. How much money did Alex spend at the carnival?

Ans: _____ [4]



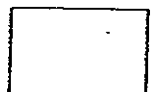
14. Josephine had a total of 540 Singapore and Malaysian stamps in the ratio 11: 7. After she had given away an equal number of each type of stamps, the number of Singapore and Malaysian stamps left was in the ratio 7 : 1. How many Singapore stamps did she give away?

Ans : _____ [4]



15. Joy bought some curry puffs and chicken pies for \$105. Each curry puff cost \$1.20. Each chicken pie cost \$0.50 more than each curry puff. If she bought 15 more curry puffs than chicken pies, how many curry puffs did she buy?

Ans : _____ [4]



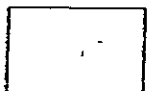
16. In a club, 70% of the members were men and the rest were women. When new members joined the club, the number of women increased by 25% while the number of men increased to 4650. Find the percentage increase in the number of members if there were 1800 women in the club at first.

Ans : _____ [5]



17. $\frac{4}{5}$ of Cheyenne's present age is $\frac{1}{3}$ of Ryan's age in 3 years' time. Their total age in 5 years' time is 58. What is Ryan's present age?

Ans : _____ [5]



18. Joshua counted the number of digits of all the page numbers in an encyclopedia. He found that a total of 1359 digits were used. How many pages were there in the book?

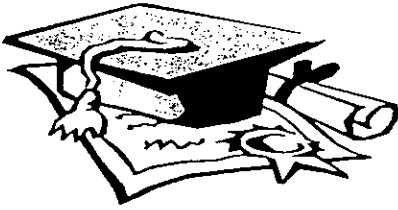
Ans : _____ [5]

END OF PAPER-

Setters: Mr Yip Yew Fei

Mrs Priscilla Heng





ANSWER SHEET

EXAM PAPER 2008

SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 2

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

16) 17268

17) 63648

18) 1R2

19) 324cm²

20) 600gm

21) 2.3

22) 0.799

23) 70°

24) 400g

25) 368

26) 702cm

27) 190ml

28) 380°

29) 140

30) 96

Paper 2

1) 8:13

2) 116°

3) \$220

4) \$11.96

5) 36%

6) 12

7) 24x3m=72m

264m-72m=192m

192m ÷ 16 = 12m

8) 15m³ x \$1.25 = \$18.75

39m³ - 15m³ = 24m³

15m³ x \$1.35 = \$20.25

24m³ - 15m³ = 9m³

\$2.65 x 9m³ = \$23.85

\$18.75 + \$20.25 + \$23.85 = \$62.85

9) a) 380 + 560 + 480 + 220 + 60 = 1700

b) 560 + 960 + 660 + 240 = 2420

10) $11 - 3 = 8$

$8u \rightarrow 104$

$1u \rightarrow 104 \div 8 = 13$

$9u \rightarrow 117$

11) a) 61° b) 31°

12) A: $20 \times 12 \times 10 = 2400$

B: $30 \times 15 \times 12 = 5400$

$2400 + 5400 + 600 = 8400 \text{ cm}^3$

13) $10u = \$725$

$1u = \$725 \div 10 = \72.50

$3u = \$72.50 \times 3 = \217.50

14) 190

15) 45

16) 155

17) 54

18) 489