PRIMARY 5 END-OF-YEAR EXAMINATION 2014

Name : _____ ( ) Date: 28 October 2014

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____ Marks: _____ / 100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET A)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** 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.
(20 marks)

---

1. In 5468.790, the digit _____ is in the tenths place.

   (1) 0
   (2) 6
   (3) 7
   (4) 9

2. How many fifths are there in $3\frac{4}{5}$?

   (1) 5
   (2) 15
   (3) 19
   (4) 4

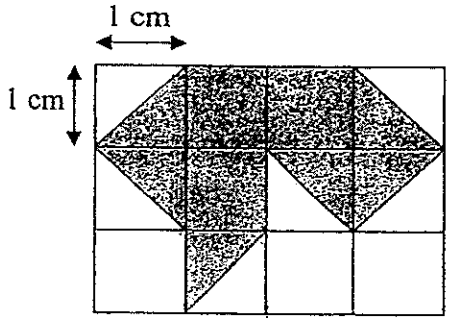
3. The lowest common multiple of 3, 9 and 18 is _____.

   (1) 1
   (2) 18
   (3) 3
   (4) 36

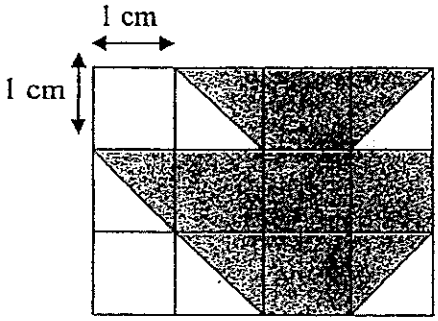
4. Express 0.3 as a percentage.

   (1) 0.3%
   (2) 30%
   (3) 3%
   (4) 0.003%

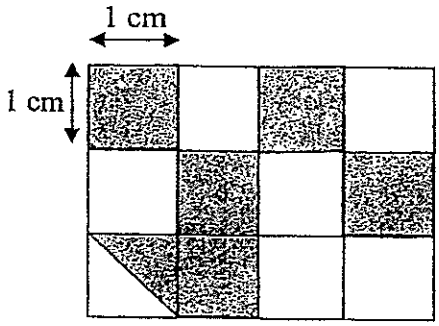
5. Which one of the following figures has the largest shaded area?



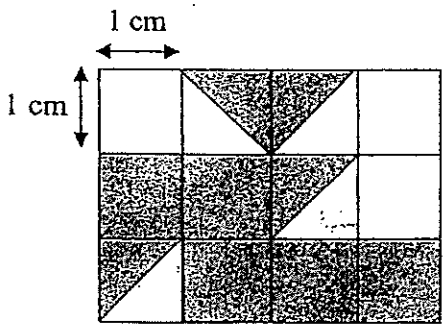
(1)



(2)



(3)

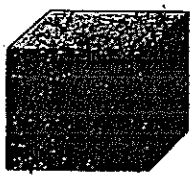


(4)

6. Which of the following is closest to 8.3 ?

(1) 8.209
(2) 8.29
(3) 8.304
(4) 8.34

7. How many right angles can you find on all the surfaces of the cube below ?



(1) 12
(2) 24
(3) 3
(4) 4

8. _____ ÷ 100 = 82.65

(1) 0.8265
(2) 8.265
(3) 826.5
(4) 8265

9. Jamie paid $3.60 for 2 identical files after a 10% discount. What was the usual price of 1 file?

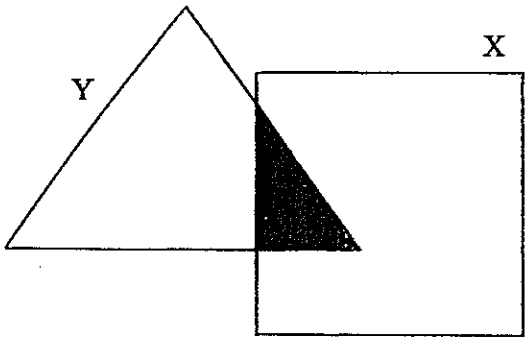
(1) $1.62
(2) $1.80
(3) $1.98
(4) $2.00

10. The table below shows the charges for postage delivery. Ming Ming wants to mail a letter that weighs 18g and a package that weighs 233g. What is the least amount that he needs to pay?

	Weight not exceeding	Postage Charges
LETTER	20g	$0.26
	40g	$0.32
PACKAGE	100g	$0.50
	250g	$0.80
	500g	$1.00

(1) $1.06
(2) $1.00
(3) $0.80
(4) $0.26

11. The ratio of the area of Square X to the area of Triangle Y is 6 : 5. Given that the shaded part is $\frac{1}{5}$ of Triangle Y, find the ratio of the area of the unshaded parts to the area of the whole figure.



(1) 9 : 10
(2) 9 : 11
(3) 10 : 9
(4) 11 : 9

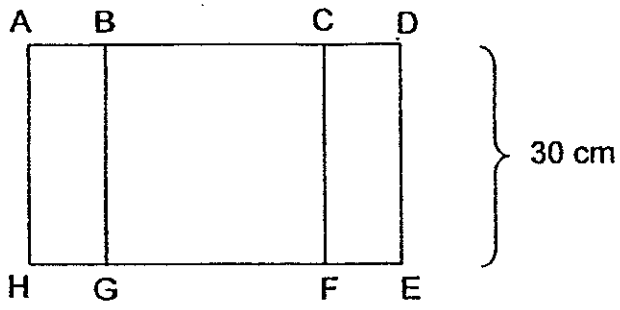
12. Every month, Angie saves $\frac{3}{5}$ of her salary and spends \$1200. If she spends $\frac{1}{4}$ of her salary instead, how much would she spend every month ?

(1) \$500
(2) \$750
(3) \$1950
(4) \$3000

13. Therese had $\frac{1}{4}$ as many black as white rubber bands. She used 45 white rubber bands and bought another 45 black rubber bands, resulting in an equal number of black and white rubber bands. How many rubber bands did she have in the end ?

(1) 30
(2) 75
(3) 120
(4) 150

14. The figure below is made up of 2 rectangles and a square. The length of AB is $\frac{1}{5}$ the length of AD. The length of AB is the same as the length of CD. The area of ~~Rectangle~~ square BCFG is 900 cm^2. What is the ~~perimeter~~ square of Rectangle BDEG ?



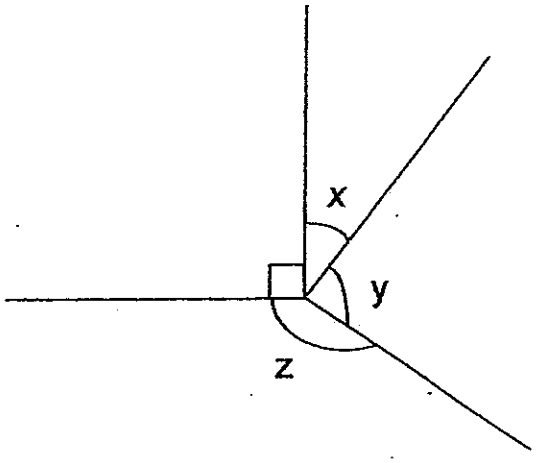
(1) 80 cm

(2) 120 cm

(3) 140 cm

(4) 160 cm

15. The figure below is not drawn to scale. The ratio of $\angle x$ to $\angle y$ to $\angle z$ is 2 : 3 : 5. Find $\angle y$.



(1) 81°

(2) 108°

(3) 54°

(4) 135°

TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

PRIMARY 5 END-OF-YEAR EXAMINATION 2014

Name : _____ ( ) Date: 28 October 2014

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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)

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16. Express 9.16 as a mixed number in its simplest form.

Ans: _____

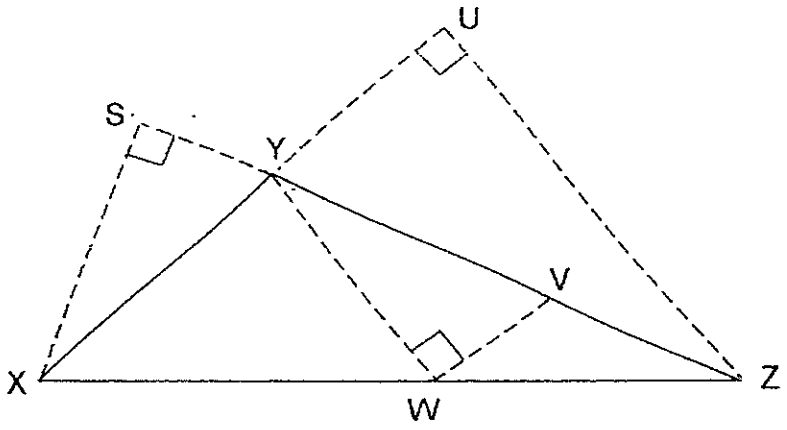
17. 2 m of string is used to tie 3 packages. What is the maximum number of packages that can be tied using 18 m of string ?

Ans: _____

18. Find the sum of $4\frac{11}{12}$ and $2\frac{5}{8}$. Express your answer in the simplest form.

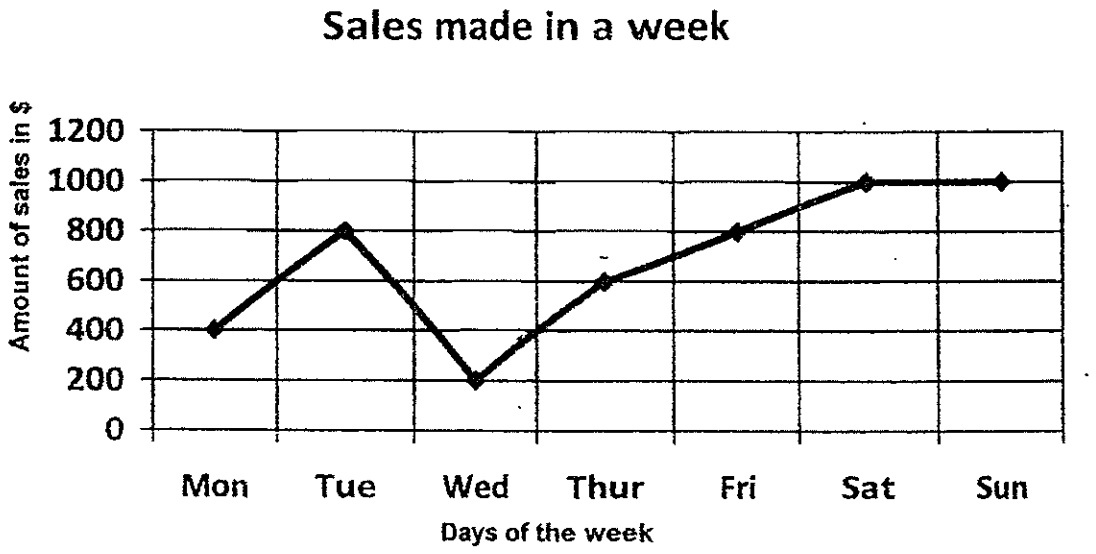
Ans: _____

19. In the figure below, not drawn to scale, identify the height of Triangle XYZ if YZ is the base.



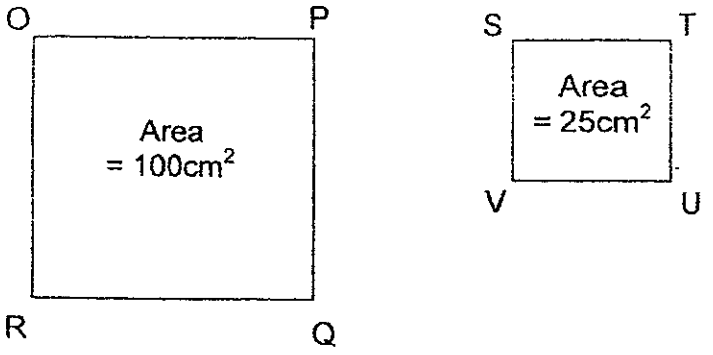
Ans: _____

20. The line graph below shows the amount of sales a shop made over a week. Find the total sales made for the week.



Ans: $_____

21. Both OPQR and STUV are squares. Side PQ is _____ times of side SV.

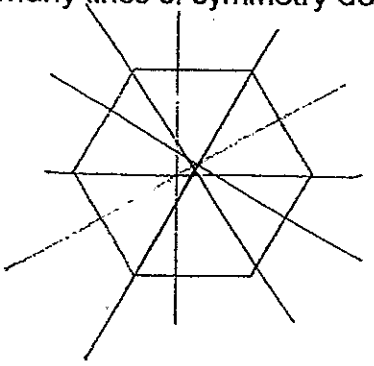


Ans: _____

22. The cost of a washing machine is 70% of the cost of a refrigerator. Both items cost $3400. Find the cost of the refrigerator.

Ans: $_____

23. How many lines of symmetry does the hexagon have?

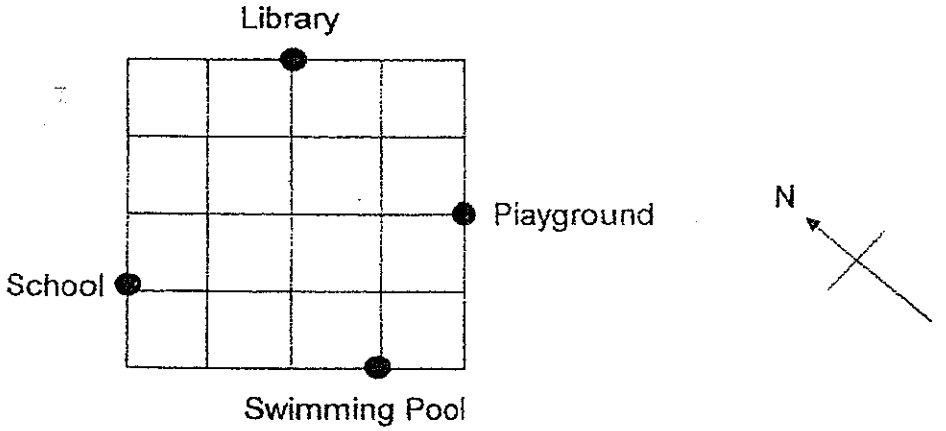


Ans: _____

24. Wei Xun bought 8 pieces of chocolates and 6 lollipops for $12. The average price of a piece of chocolate was $0.90. What was the average price of a lollipop ?

Ans: $_____

25. Amos is at the library. If he walks in the south direction, where will he be going to?



Ans: _____

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)

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26. A lift takes 5 seconds to travel from Level 1 to Level 9 of a building. How long does the lift take to travel from the 1st to the 17th storey ?

Ans: _____ seconds

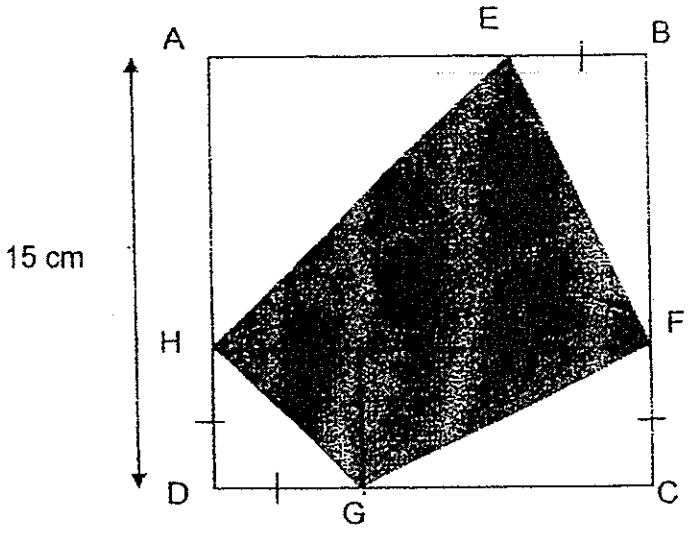
27. Beth has only 10-cent coins and Marie has only $1 coins. They have the same number of coins each. The total value of all the coins is $22. How many coins do both of them have altogether ?

Ans: _____

28. $\frac{1}{2}$ of Janet's stamps is equal to $\frac{7}{9}$ of Jack's stamps. Find the ratio of the number of Jack's stamps to the total number of stamps.

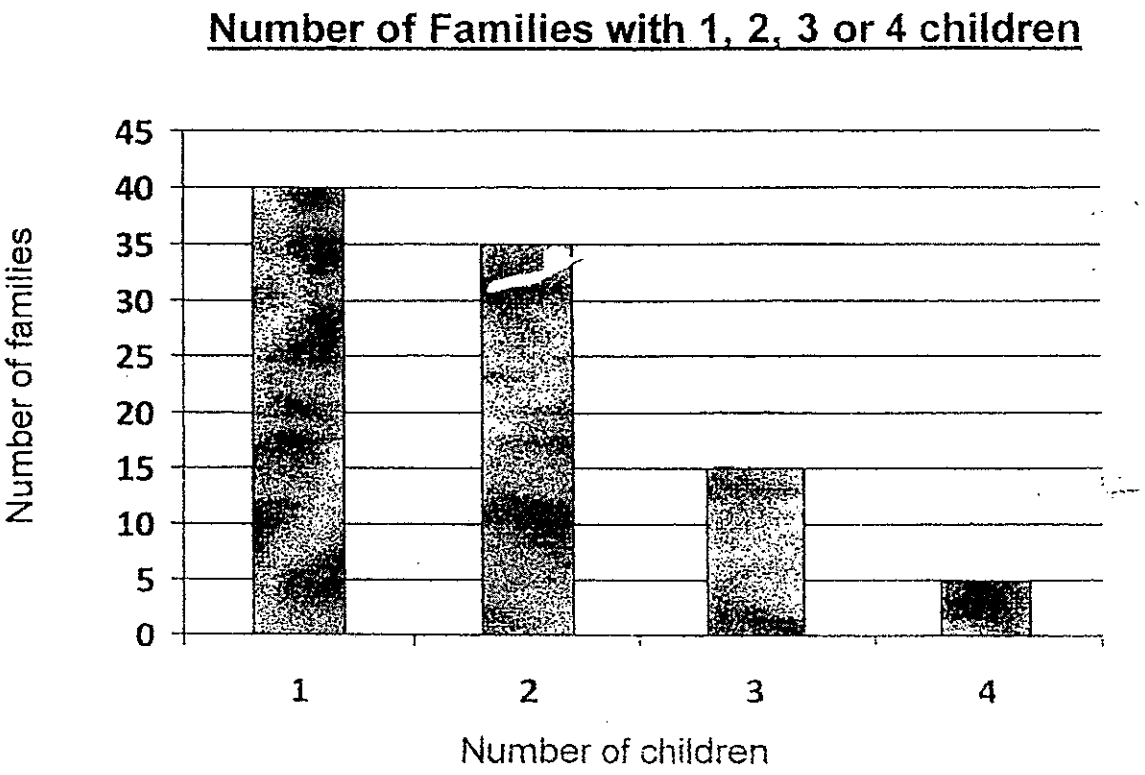
Ans: _____

29. In the figure below, not drawn to scale, ABCD is a square of side 15 cm. BE = CF = DG = DH = 3 cm. Find the shaded area.



Ans: _____ cm

30. The graph below shows the number of families with 1, 2, 3 or 4 children in each family. Express the number of children who come from families with 3 or more children as a fraction of the total number of children.



Ans: _____

-End Of Paper-

PRIMARY 5 END-OF-YEAR EXAMINATION 2014

Name : _____ ( ) Date: 28 October 2014

Class : Primary 5 ( ) Time: 10.00 a.m. – 11.40 a.m.

Parent's Signature : _____

MATHEMATICS

PAPER 2

60

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register no.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. 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 spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

1. Serene's age is 65% of Gary's age. If Gary is 60 years old, find the difference in their ages.

Ans: _____ years

---

2. Mrs Lee has a piece of cloth which measures 5 m by 8 m. How many 40-cm squares can be cut from the cloth ?

Ans: _____

---

3. $\frac{3}{5}$ of the girls and $\frac{1}{2}$ of the boys in a class wore spectacles. There was an equal number of girls and boys who wore spectacles. What fraction of the pupils in the class did not wear spectacles ?

Ans: _____

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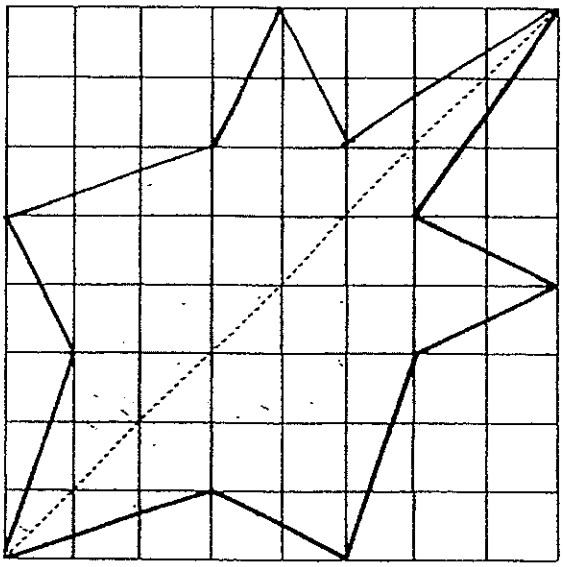
4. Using the dotted line as the line of symmetry, complete the symmetric shape.



5. The table below shows the survey results of the favourite fruits for some pupils. What is the percentage of pupils who chose the two most popular fruits ?

Names of fruits	Number of pupils
Apple	40
Banana	10
Cherry	38
Durian	66
Guava	8
Jackfruit	5
Mango	25
Watermelon	8

Ans: _____ %

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)

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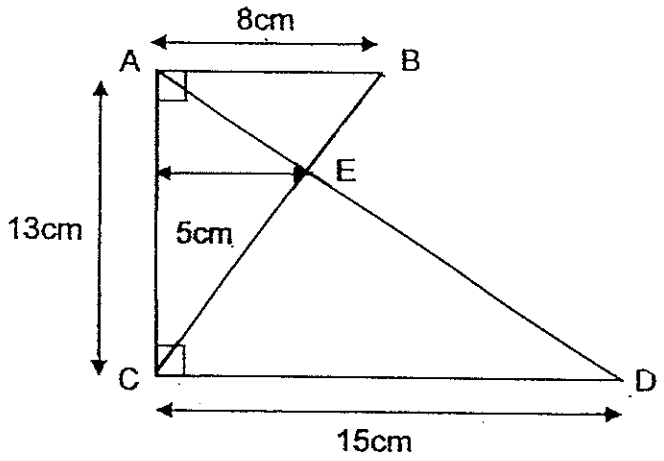
6. The average mass of Jeremy, Mark and Zack is 25 kg. If Jeremy and Zack's average mass is 23 kg, how heavy is Mark ?

Ans: _____ [3]

---

7. The figure below is not drawn to scale. Find its area.



Ans: _____ [3]

---

8. There are $\frac{7}{9}$ as many oranges as pears in a basket. There are twice as many apples as oranges. Express the number of oranges as a fraction of the total number of fruits.

Ans: _____ [3]

---

9. Andy spent $\frac{5}{7}$ of his money on 4 marbles and 3 pens. He could buy another 4 marbles with the rest of his money. What was the ratio of the cost of a marble to the cost of a pen ?

Ans: _____ [3]

---

10. Adeline and Benedict had the same amount of money. After Adeline had spent $\frac{1}{3}$ of her money and Benedict had spent $\frac{3}{8}$ of his money, they had \$257.30 left. How much did Benedict spend ?

Ans: _____ [3]

---

11. Candice earned \$8.20 for every book that she sold. A \$25 bonus was given for every 25 books she sold. She sold a total of 155 books. How much did she earn ?

Ans: _____ [3]

---

12. Alex saved 2 coins a day while Mark saved 3 coins a day. Joe saved 6 coins a day and he started to save only 10 days after Alex and Mark had started. After a certain number of days, Joe had saved the same number of coins as the total number of coins saved by both Alex and Mark.

(a) How many days did Joe take to save the same number of coins as the total number of coins saved by both Alex and Mark ?

(b) How many coins did Joe save ?

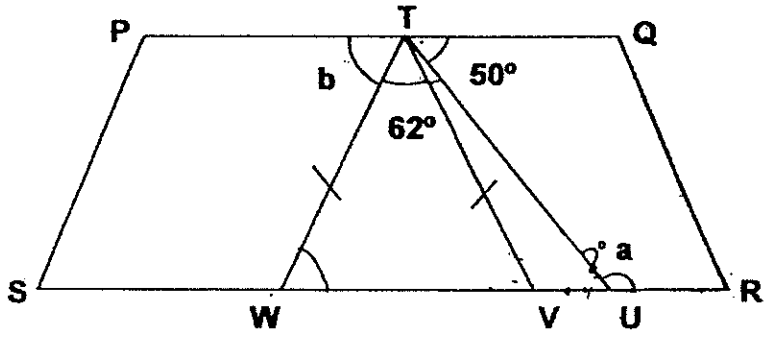
Ans: (a) _____ [3]

(b) _____ [1]

13. In the figure below, not drawn to scale, PQRS is a trapezium and TVW is an isosceles triangle.

(a) Find ∠a.

(b) Find ∠b.



Ans: (a) _____ [2]

(b) _____ [2]

14. Suzy baked 560 brownies and cupcakes in the ratio 2 : 3. She gave away $\frac{1}{2}$ of the brownies to the Children's Home. How many more brownies must she bake if she wants the ratio of the number of brownies to the number of cupcakes to be 3 : 2 instead?

Ans: _____ [4]

15. Mr Gan bought 400 angelfish. He sold $\frac{13}{20}$ of the angelfish at \$1.50 each, $\frac{1}{2}$ of the remainder at \$1.20 each and the rest at cost price. If the total sales made was \$512.50, find the cost price of an angelfish.

Ans: _____ [5]

16. Last year, there were 304 members in an Art Club. Female members made up 75% of the total number of members. This year, the number of female members decreased by 25%, when compared to last year. In addition, 14 new male members joined the Art Club.

(a) What was the overall increase or decrease in membership this year ?

(b) Find the total number of members in the Art Club this year.

Ans: (a)_____ [3]

(b)_____ [2]

17. Grandmother was given a bottle of pills and she had to take an equal number of pills daily. She had $\frac{4}{5}$ of pills left after taking the pills for 10 days. After another 3 weeks, there were 95 pills left.

(a) How many pills did Grandmother take each day ?

(b) How many pills were in the bottle at first ?

[4]

[1]

18. George has 9 cards more than 3 times that of Henry's. Izra has 20 more cards than $\frac{2}{3}$ that of George while George has 13 cards more than Izra.

(a) How many cards does Izra have

(b) How many cards do the 3 boys have altogether ?

Ans: a) _____ [3]

b) _____ [2]

End Of Pape

EXAM PAPERS 2014

SCHOOL: TAO NAN SCHOOL
SUBJECT: MATHEMATICS
LEVEL: PRIMARY 5
TERM: SA 2

PAPER 1 BOOKLET A

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

BOOKLET B

Q16 9 4/25
Q17 27
Q18 7 13/24
Q19 SX
Q20 $4,800
Q21 2
Q22 $2,000
Q23 6
Q24 $0.80
Q25 Playground
Q26 10
Q27 40
Q28 9:23
Q29 112.5
Q30 13/65

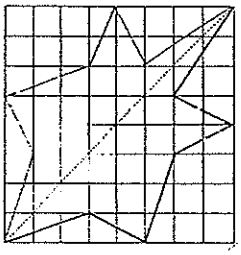
PAPER 2

Q1 60÷100=0.6
0.6x65%=39
60-39=21
The difference is 21 years.

Q2 500÷40=12.5
800÷40=20
20x12=240
Mrs Lee can cut 240 squares from the cloth.

Q3 11/11- 6/11=5/11
5/11 of the pupils in the class did not wear spectacles.

Q4



Q5 40+66=106
66+40+38+25+10+8+8+5=200
1/200x100=0.5
106x0.5=53
The percentage is 53%

Q6 25kgx3=75kg
23kgx2=46kg
75-46kg=29kg
Mark is 29kg.

Q7 13cmx5x1/2=32.5cm²
13cmx15cmx1/2=97.5cm²
97.5-32.5=65cm²
13cmx8cmx1/2=52cm²
52-32.5=19.5cm²
19.5+32.5+65=117cm²
The area is 117cm²

Q8 oranges→7units
pears→9 units
apples→19 units
total fruits→30 units
orange/ total=7/30
The ratio is 7/30

Q9 7-5=2
4÷2=2
5-2=3
3÷3=1
1 marble : 1 pen
1:2
The ratio is 1:2.

Q10 1/3=8/24
24/24-8/24
3/8=9/24
24/24-9/24=15/24
16+15=3
31units - $257.30
1unit - $8.30
9 units - $74.70
Benedict spent $74.70.

Q11 $8.20x25=$205
$205÷$25=$230
155÷25=62
6x$230+(0.2x25)x$8.20=$1421
She earned $1421.

Q12 5x10=50
6-5=1
50÷1=50
50x6=300

a) Joe took 50 days.
b) Joe saved 300 coins.

Q13 180°-50°=130°
180°-62°÷2=118°÷2=59°
a) ∠a is 130°
b) ∠b is 59°

Q14

	Brownies	Cupcakes
Before	2	3
	224	336
After	112	336

	Brownies	Cupcakes
Final	3	2
	504	336
	392	336

5 units - 560
1 unit - 112
2 units - 224
3 units - 336
336÷2x3=504
504-112=392

Suzy must bake 392 more brownies.

Q15 400÷20=20
20x13=260
400-260=140
140÷2=70
260x$150=$390
70x$1.20=$84
$390+$84=$474
$512.50-$474=$38.50
$38.50÷70=$0.55
The cost price is $0.55

Q16 75%x304=228
25%x228=57
57-14=43
304-43=261
a) The overall decrease is 43.
b) The total number is 261.

Q17 7x3=21
10→⅕
⅕÷10=1/50
21+10=31
1/50x31=31/50
50/50-31/50=19/50
19/50→95
95÷19=5
5x31=155
155+95=250
a) Grandmother took 5 pills daily.
b) There were 250 pills inside the bottle at first.

Q18 30+30+6+20=86
6x30+9+6+20=215
a) Izra have 86 cards.
b) They have 215 cards.