RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2022

MATHEMATICS
PAPER 1
(BOOKLET A)

Name: _____ Date : 26 October 2022

Class: P5 _____ Total Time : 1 hour

Math Teacher's Name : _____

INSTRUCTIONS TO CANDIDATES

1. Write your Index No. in the boxes at the top right hand corner.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).
6. The use of calculators is NOT allowed.

Paper 1	45
Paper 2	55
Your score out of 100	
Parent's signature	

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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 your answer (1, 2, 3 or 4) on the OAS provided.
All diagrams are not drawn to scale. (20 marks)

---

1. Which of the following is the same as 8.03 kg?

(1) 83 g
(2) 803 g
(3) 8030 g
(4) 8300 g

2. In 51.027, which digit is in the tenths place?

(1) 0
(2) 2
(3) 5
(4) 7

3. Express $\frac{11}{4}$ as a decimal.

(1) 2.34
(2) 2.43
(3) 2.72
(4) 2.75

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4. Round 39 521 to the nearest thousand.

(1) 39 000

(2) 39 500

(3) 40 000

(4) 40 521

5. The length of a rectangle is $\frac{7}{9}$ m and the breadth is 6 m. Find the area of the rectangle.

(1) $2\frac{1}{3}$ m^2

(2) $4\frac{2}{3}$ m^2

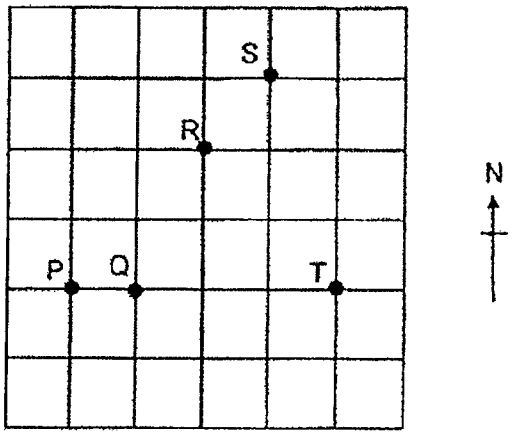
(3) $6\frac{7}{9}$ m^2

(4) $13\frac{5}{9}$ m^2

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6.



In the square grid, point _____ is south-west of point R.

(1) P
(2) Q
(3) S
(4) T

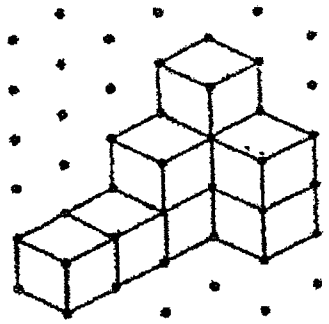
7. Jane and 4 of her classmates spent an average of $16.40 at a cafe. How much did they spend altogether?

(1) $82.00
(2) $65.60
(3) $4.10
(4) $3.28

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8. The solid is made up of 1-cm unit cubes. What is the volume of the solid?



(1) 7 cm^3

(2) 8 cm^3

(3) 9 cm^3

(4) 10 cm^3

9. In a class of 36 pupils, there are 9 pupils who wear spectacles. What is the percentage of pupils who do <u>not</u> wear spectacles?

(1) 25%

(2) 27%

(3) 75%

(4) 80%

10. In Singa Primary School, $\frac{4}{9}$ of the pupils are girls. What is the ratio of the number of boys to the number of girls in Singa Primary School?

(1) 5 : 4

(2) 5 : 9

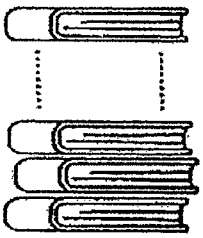
(3) 4 : 5

(4) 4 : 9

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11. The thickness of a book is 2.04 cm. What is the height of 90 such books stacked on top of one another? Give your answer in metres.



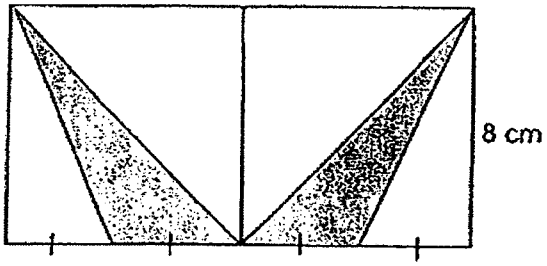
(1) 1.836 m

(2) 18.36 m

(3) 183.6 m

(4) 1836 m

12.



The rectangle is made up of 2 identical squares. Find the total area of the shaded triangles.

(1) 16 cm^2

(2) 32 cm^2

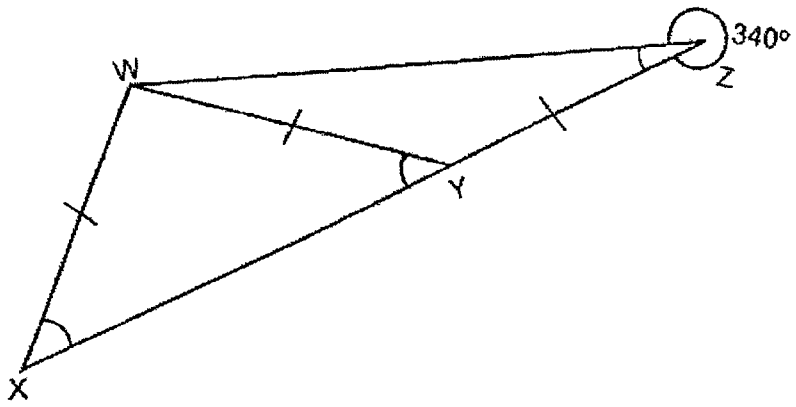
(3) 64 cm^2

(4) 128 cm^2

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13. In the figure, WXY and WYZ are isosceles triangles. Find ∠WXY.



(1) 20°

(2) 40°

(3) 45°

(4) 60°

14. Anette had $\frac{7}{8}$ m of ribbon. She used $\frac{3}{4}$ of it to tie a flower bouquet. How much ribbon had she left?

(1) $\frac{1}{8}$ m

(2) $\frac{7}{32}$ m

(3) $\frac{21}{32}$ m

(4) $1\frac{5}{8}$ m

15. Terry had some \$2, \$5, and \$10 notes in his wallet. He had 12 notes and the total value of the notes was \$71. How many \$5-notes did he have?

(1) 7

(2) 2

(3) 3

(4) 5

(Go on to Booklet B)

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RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2022

MATHEMATICS
PAPER 1
(BOOKLET B)

Name: _____ Date : 26 October 2022

Class: P5 _____ Total Time : 1 hour

Math Teacher's Name : _____

INSTRUCTIONS TO CANDIDATES

1. Write your Index No. in the boxes at the top right hand corner.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. Do not use correction fluid/tape or highlighters
7. The use of calculators is NOT allowed.

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Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions that require units, give your answers in the units stated. All diagrams are not drawn to scale. (5 marks)

16. Find the value of $12 \div (4 - 2) \times 3$.

Ans: _____

17. Mr Pang baked 5 pies and gave them to 3 of his neighbours. Each neighbour received an equal share of the pies. What fraction of the pies did each neighbour receive?

Ans: _____

18. Express 2095 m in km.

Ans: _____km

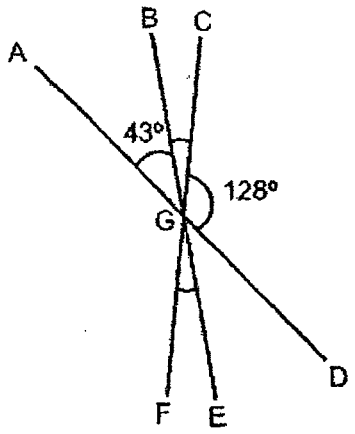
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19. Find the value of $\frac{18}{5} \times \frac{11}{12}$. Give your answer as a mixed number in the simplest form.

Ans: _____

20. In the figure, AGD, BGE and CGF are straight lines. Find ∠FGE.



Ans: _____°

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Questions 21 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 that require units, give your answers in the units stated. All diagrams are not drawn to scale. (20 marks)

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21. Find the value of the following.

(a) 700×2.8

(b) $650.4 \div 40$

Ans: (a) _____

(b) _____

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22. What is the missing number in the box?

(a) 9 : 15 = 6 : ☐

(b) The amount of sugar a baker used was $\frac{2}{5}$ of the amount of flour he used to bake a cake. What was the ratio of the amount of sugar used to the amount of flour used?

Ans: (a) _____

(b) _____

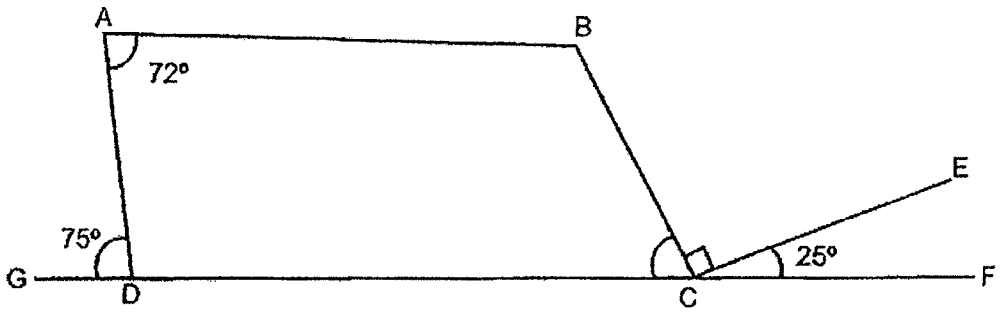
23. An empty container weighs $\frac{1}{6}$ kg. The mass of the container with a ball in it is $\frac{5}{12}$ kg. What is the mass of 30 balls? Give your answer as a mixed number in its simplest form.

Ans: _____ kg.

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24. ABCD is a quadrilateral. GDCF is a straight line.



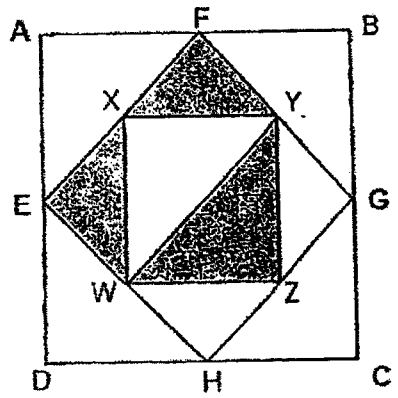
Each statement below is either true, false or impossible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Impossible to tell
(a) ∠BCD = 65°.			
(b) The sum of ∠ADC and ∠BCD is 180°.			
(c) ABCD is a trapezium.			

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25. ABCD, EFGH and WXYZ are squares. E, F, G, H, W, X, Y, Z are all midpoints. CD is 12 cm.



12 cm

Find the total area of the shaded parts.

Ans : _____ cm^2

26. At an exercise session, there were 500 participants. 50% of them were children. 40% of the children were girls. How many girls were there?

Ans: _____

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27. Liba had 3 times as many fiction books as non-fiction books. She donated $\frac{1}{6}$ of her fiction books and some non-fiction books. In the end, she was left with $\frac{3}{4}$ of her books. What fraction of her non-fiction books did she donate? Give your answer in fraction in its simplest form.

Ans: _____

28. At a concert, the number of adults to the number of children is 8 : 3. The ratio of the number of females to the total number of people is 15 : 33. $\frac{1}{3}$ of the adults are women. What is the ratio of the number of girls to the number of women?

Ans: _____

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29. A machine can print 2400 pages in 1 hour. How many pages can it print in 45 minutes at this rate?

Ans: _____

30. Ravi had some marbles. He took 1000 marbles and placed them into 3 boxes, A, B and C. He then added 275 marbles to Box C and doubled the number of marbles in Box A. He took out 300 marbles from Box B. In the end, there was an equal number of marbles in all the 3 boxes. How many marbles were there in Box A at first?

Ans: _____

End of Paper

☺ Please check your work carefully ☺

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RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2022

MATHEMATICS
PAPER 2

Name: _____ Date : 26 October 2022

Class: P5 _____ Total Time : 1 hour 30 min

Math Teacher's name : _____

INSTRUCTIONS TO CANDIDATES

1. Write your Index No. in the boxes at the top right hand corner.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. Do not use correction fluid/tape or highlighters.
7. The use of an approved calculator is allowed.

Mark	/55

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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.
All diagrams are not drawn to scale. (10 marks)

---

1. The table shows the charges for delivering items within Singapore by a company. How much will Mrs Sammy have to pay the company for the delivery of an item that weighs 36.2 kg?

Mass Step Not Over	Delivery Charge
5 kg	$14
15 kg	$17
30 kg	$20
Per additional step of 1 kg or part thereof	$2.50

Ans : $_____

2. The price of an air-fryer is $135. Mr Henderson bought it at a discount of 15%. How much did he pay for the air-fryer?

Ans : $_____

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3. Jacob had 8 litres of juice. He poured the juice into some cups for his friends. Each cup contained 0.24 ℓ of juice. How much juice did he have left?

Ans : _____ mℓ

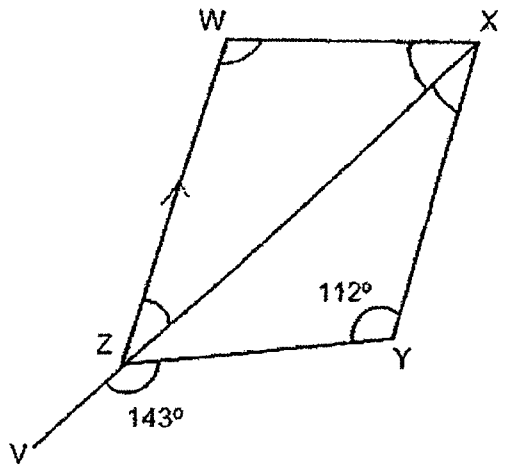
4. 11 lamp posts are placed equally apart along Hill Road. The distance between the 1st lamp post and the 5th lamp post is $23\frac{1}{7}$ m. What is the distance from the 1st lamp post to the last lamp post? Give your answer as a mixed number in the simplest form.

Ans : _____ m

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5. WXYZ is a quadrilateral. WZ is parallel to XY. VZX is a straight line.



Find ∠WZX.

Ans : _____

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For questions **6 to 17**, 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. All diagrams are not drawn to scale. (45 marks)

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6. Rani used squares and circles to form figures to follow a pattern as shown.

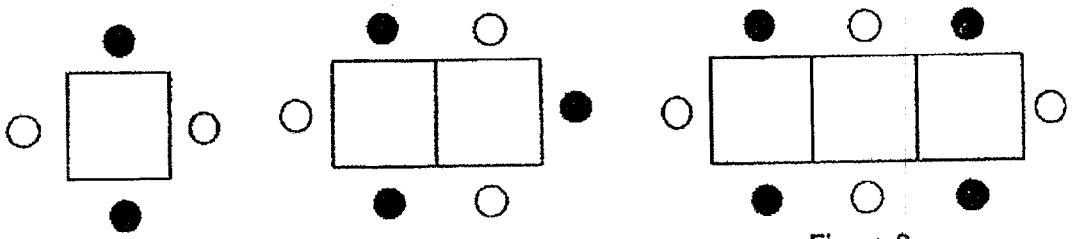


Figure 1 Figure 2 Figure 3

(a) Which figure has 10 shaded circles?

(b) How many circles and squares are there altogether in Figure 123?

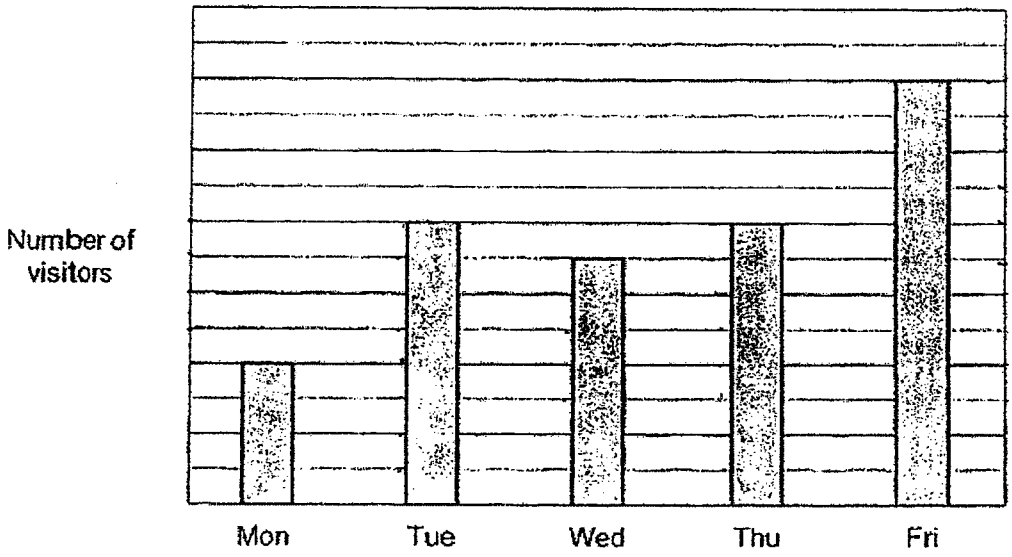
Ans : (a) _____ [1]

(b) _____ [2]

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7. The graph shows the number of visitors at Jelly Museum from Monday to Friday.



(a) There were 3680 more visitors on Tuesday than on Monday. How many visitors were there on Friday?

(b) What was the total number of visitors from Monday to Friday?

Ans : (a) _____ [2]

(b) _____ [1]

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8. Mr Theng earned $4038 in July. He spent $\frac{1}{3}$ of it on rent and $\frac{3}{8}$ of the remainder on food.

   (a) How much money did he spend on rent?

   (b) How much money had he left?

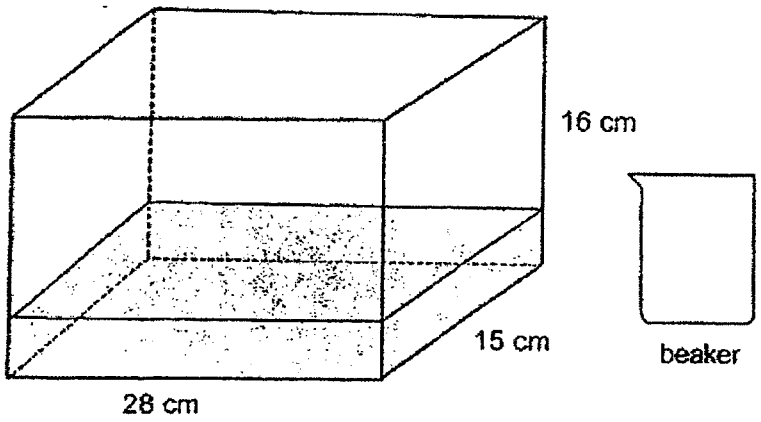
Ans : (a)_____ [1]

(b)_____ [2]

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9. Mr Tan wanted to fill the tank with water to the brim. He used 6 beakers of water to fill $\frac{1}{7}$ of the tank.



(a) How many more beakers of water would he need to fill the tank to the brim?

(b) Find the volume of 1 beaker.

Ans : (a)_____ [1]

(b)_____ [2]

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10. Jalyn spent \$96 on grocery and $\frac{1}{5}$ of her remaining money on transport. She was left with $\frac{8}{15}$ of her money. How much money did she have at first?

Ans : _____ [3]

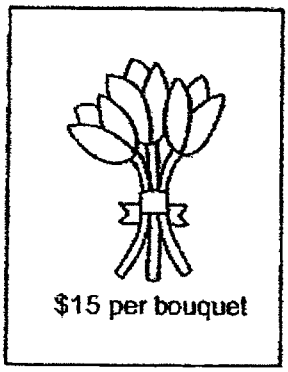
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11. A florist sells bouquets of flowers at $15 per bouquet. When a customer buys 3 or more bouquets, a discount of 5% will be given on the total bill.

(a) Kelly bought 6 bouquets. How much was the discount given to her?

(b) Mrs Aishah paid $513 after discount for some bouquets of flowers. How many bouquets of flowers did she buy?



Ans : (a) _____ [2]

(b) _____ [2]

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12.

Day	Mon to Thur	Fri to Sat	Sun
No of hours worked per day	6	9	0

The table shows the number of hours Maggie worked in a restaurant.

(a) What is the average number of hours she worked per day?

(b) Maggie is paid $8.50 per hour. What is the total amount of money she earned in 1 week?

Ans : (a) _____ [3]

(b) _____ [1]

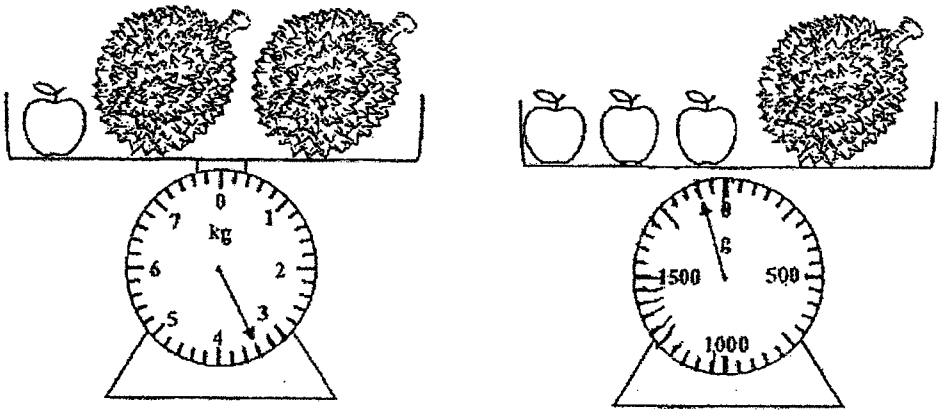
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13. The mass of some fruits at a store is shown. Mdm Spencer bought 3 durians and 4 apples.

(a) What is the mass of an apple? Give your answer in kg.

(b) Mdm Spencer could carry a maximum mass of 10 kg of fruits. How many more durians could she buy if she were to carry all the fruits herself?



Ans : (a) _____ [2]

(b) _____ [2]

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14. Every child was given 2 bags of cookies. Each bag contained either 10 chocolate cookies or 15 butter cookies. There were 88 children and they received 2345 cookies altogether. How many butter cookies did the children receive?

Ans : _____ [4]

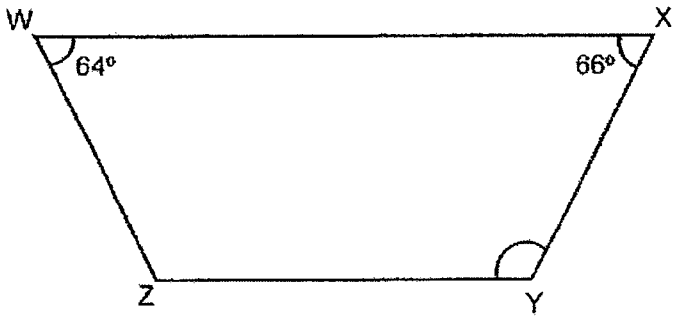
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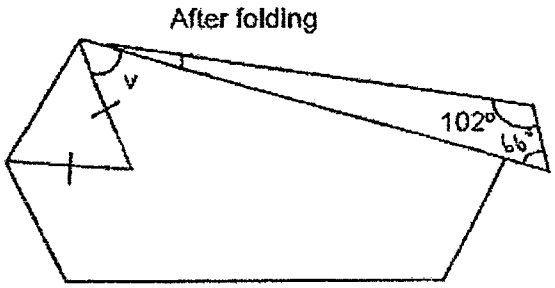
15. The figure shows a piece of paper folded at its two corners.

WX is parallel to ZY.

Before folding



After folding



(a) Find ∠XYZ.

(b) Find ∠v.

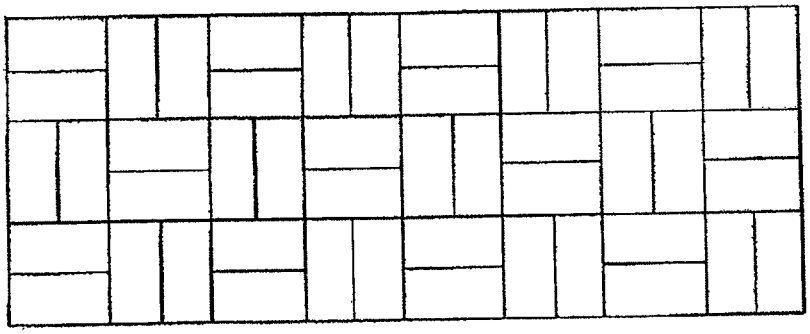
Ans : (a) _____ [1]

(b) _____ [3]

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16. A rectangular wall is covered by identical smaller rectangular tiles.



(a) The perimeter of the wall is 1144 cm. Find the length of the wall.

(b) Find the area of one rectangular tile.

Ans : (a) _____ [3]

(b) _____ [2]

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17. The number of bangles to the number of necklaces sold in an accessory shop was 4 : 3. The shop received $2100 altogether from selling the bangles and necklaces. The amount received from selling the bangles was $348 more than the amount received from selling the necklaces. Each bangle cost $1 more than each necklace.

(a) How much money was received from selling the necklaces?

(b) How many necklaces were sold in the shop?

Ans : (a) _____ [1]

(b) _____ [4]

End of Paper

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SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2022 SA2

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	4	3	2	1	1	3	3	1

Q11	Q12	Q13	Q14	Q15
1	2	2	2	4

PAPER 1 BOOKLET B

Q16)	12 % (4 – 2) x 3 = 12 % 2 x 3 = 6 x 3 = **18 (Ans)**
Q17)	5 % 3 = 5/3 = $1\frac{2}{3}$ **(Ans)**
Q18)	**2.095**
Q19)	$\frac{18}{5} \times \frac{11}{12}$ = 198/60 = $3\frac{3}{10}$ **(Ans)**
Q20)	180° - 43° - 128° = **9° (Ans)**
Q21)	**a) 1960** **b) 16.26**
Q22)	**a) 10** **b) 2:5**
Q23)	$\frac{5}{12} - \frac{2}{12} = \frac{3}{12}$ $\frac{3}{12} \times 30 = 7\frac{1}{2}$ **(Ans)**
Q24)	**a) True** **b) False** **c) False**
Q25)	$\frac{1}{2} \times 6 \times 6 = 18$ 18 x 4 = 72 12 x 12 = 144 144 – 72 = 72 72 % 2 = **36 (Ans)**

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Q26)	500 x 50% = 250 250 x 40% = **100 (Ans)**
Q27)	F : N : T 3 : 1 : 4 → 6 : 2 : 8 → 5 : 1 : 6 **Answer: ½**
Q28)	A : C : T 8 : 3 : 11 → 24: 9 : 33 W = 1/3 x 24 = 8 G = 15 – 8 = 7 G : W **7 : 8 (Ans)**
Q29)	1 min → 2400 * 60 = 40 45 min → 40 x 45 = **1800 (Ans)**
Q30)	1000 – 300 = 700 4u + (1u – 275) = 700 5u = 700 + 275 = 975 1u = 975 * 5 = **195 (Ans)**

PAPER 2

Q1)	First 30kg → $20 6.2kg → $2.5 x 7 = $17.50 Total = $20 + $17.50 = **$37.50 (Ans)**
Q2)	$\frac{85}{100}$ x 135 = **114.75 (Ans)**
Q3)	8000 * 240 = 33 R 80 **Answer: 80 ml**
Q4)	1 *interval* → $23\frac{1}{7} * 4 = 5\frac{11}{14}$ 10 interval → $5\frac{11}{14}$ x 10 = $57\frac{6}{7}$ **Answer: $57\frac{6}{7}$m**

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Q5) 180° - 143° = 37°
180° – 37 ° – 112° = 31° (Ans)

Q6) a) 10 – 1 = **9 (Ans)**
b) 123 + 124 + 124 = **371 (Ans)**

Q7) *a)* 1 interval = 3680 * 4 = 920
12 interval = 920 x 12 = **11040 (Ans)**

b)11040 + 7360 + 6440 + 7360 + 3680 = **35880 (Ans)**

Q8) a) 1u → 4038 * 6 = 673
2u → 673 x 2 = **$1346 (Ans)**

b) 1346 x 2 = 2692
2692 * 8 = 336.5
336.5 x 5 = **$1682.50 (Ans)**

Q9) a) $1 - \frac{1}{7} = \frac{6}{7}$
6 x 6 = **36 (Ans)**

b) 28 x15 x 16 = 6720
6720 * 42 = 160
160ml = **160 cm^3 (Ans)**

Q10) 5u → 96
15u → 96 x 3 = 288
Answer: $288

Q11) a) 15 x 6 = 90
90 x 5% = **$4.50 (Ans)**

b) 513 * 95 = 5.4
5.4 x 5 = 27
513 + 27 = 540
540 * 15 = **36 (Ans)**

Q12) a) Mon – Thurs = 6 x4 = 24
Fri – Sat = 9x2 = 18
Total = 18 + 24 = 42
Ave = 42 * 7 = **6 (Ans)**

b) 1h → $8.50
42h → 8.50 x 42 = **$357 (Ans)**

Q13) a) 3.8 – 3.4 = 0.4
0.4 * 5 = **0.08 kg (Ans)**

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	b)1.9 – (3x0.08) = 1.66 3.4 + 1.9 = 5.3 10 – 5.3 = 4.7 4.7 * 1.66 = 2 R 1.38 **Answer: 2**
Q14)	88 x 2 = 176 176 x 10 = 1760 2345 – 1760 = 585 15 – 10 = 5 585 * 5 = 117 117 x 15 = **1755 (Ans)**
Q15)	a) 180° – 66° = **114° (Ans)** b) (180° – 64°) * 2 = 58° 180° – 102° – 66° = 12° 180° – 58° x 2 – 12° x 2 = **40° (Ans)**
Q16)	a) 1 u = 1144 * 44 = 26 Length = 26 x 16 = **416 cm (Ans)** b) 26 x 2= 52 52 cm x 26 cm = **1352cm^2 (Ans)**
Q17)	a) 2100 – 348 = 1752 1752 * 2 = 876 **Answer: $876** b) 876 * 2 = 292 876 + 348 = 1224 1224 * 4 = 306 306 – 292 = 14 14 x 3 = **42 (Ans)**

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