30

RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS
PRIMARY 2

Name: _____ ( )

Form Class: P2 _____

Date: 26 October 2016 **Duration: 1h 30 min**

Overall (Out of 100 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. **NO** calculator is allowed for this paper.

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Section A: (13 x 2 marks)

Choose the correct answer and write its number in the bracket provided.

1. Two hundred and forty-four written in numerals is _____.

(1) 204 (3) 240

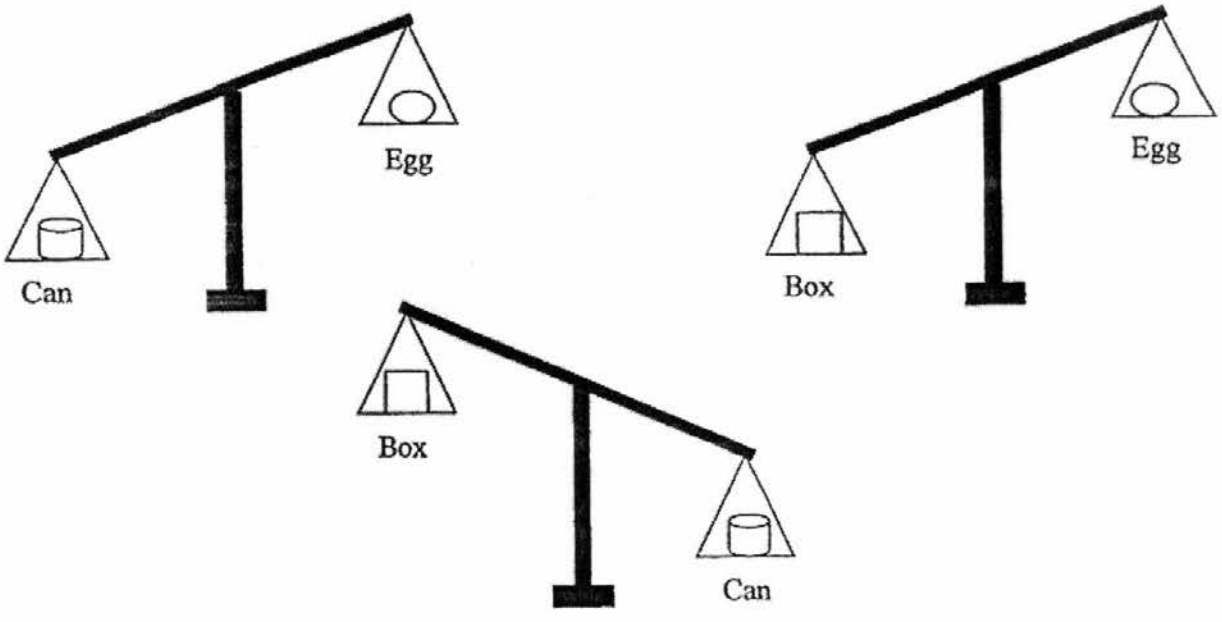
(2) 214 (4) 244 ( )

2. Which equation below shows that 30 pupils are grouped into 5 groups?

(1) 30 + 5 = 35 (3) 30 – 5 = 25

(2) 6 x 5 = 30 (4) 30 ÷ 5 = 6 ( )

3. Arrange the items starting from the heaviest to the lightest.

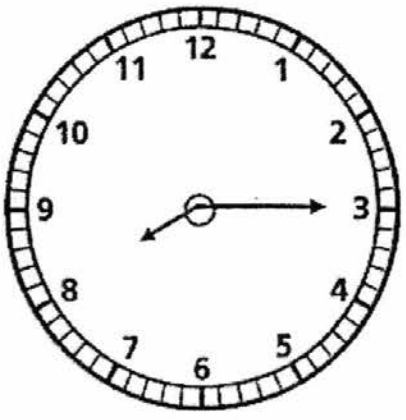


(1) Box, Can, Egg (3) Egg, Box, Can

(2) Can, Egg, Box (4) Can, Box, Egg ( )

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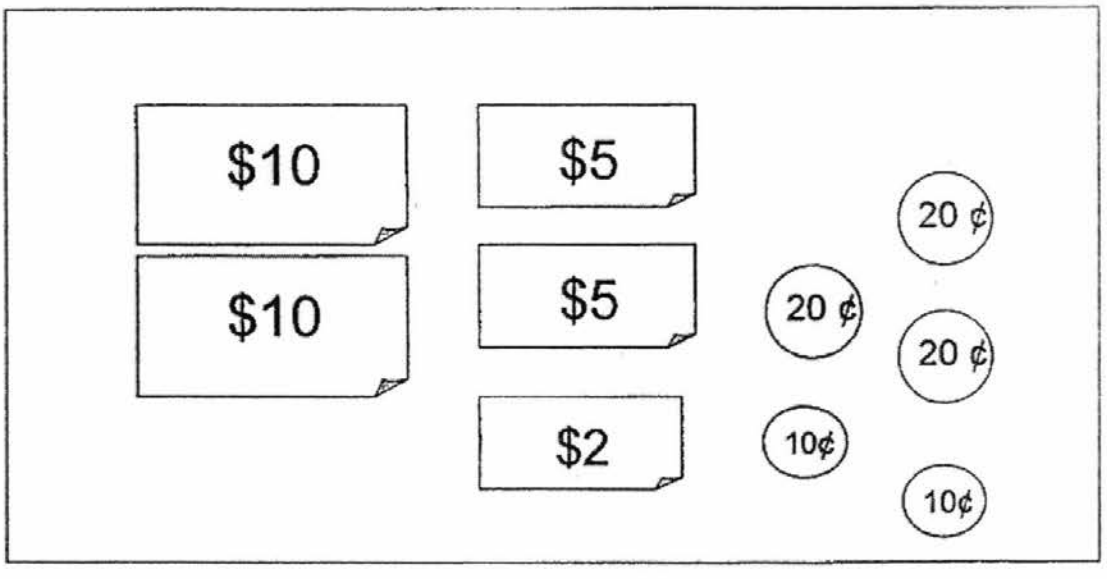
4. The clock below shows the time Jessica watched a movie last night.
What time did she watch the movie?



(1) 3.40 a.m. (3) 8.15 a.m.

(2) 3.40 p.m. (4) 8.15 p.m. ( )

5. The amount of money shown below is _____.



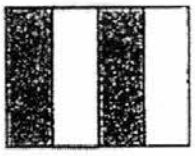
(1) $12.70 (3) $25.80

(2) $32.80 (4) $115.70 ( )

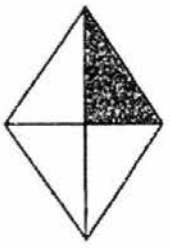
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6. Which figure below shows that $\frac{1}{4}$ of its shape is **shaded**?

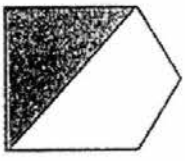
(1)



(3)



(2)

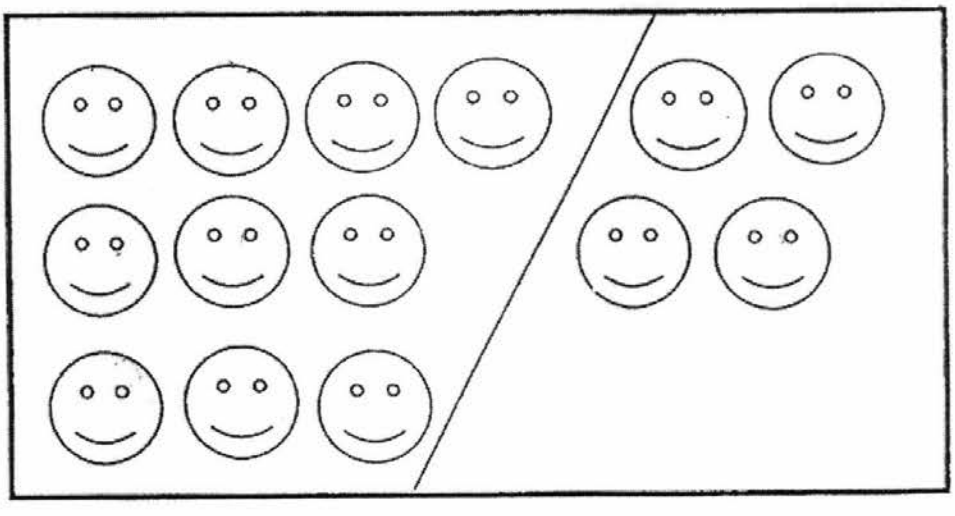


(4)



( )

7. Which of the following shows the correct **addition** equation for the picture below?



(1) 3 + 1 = 4

(2) 4 + 6 = 10

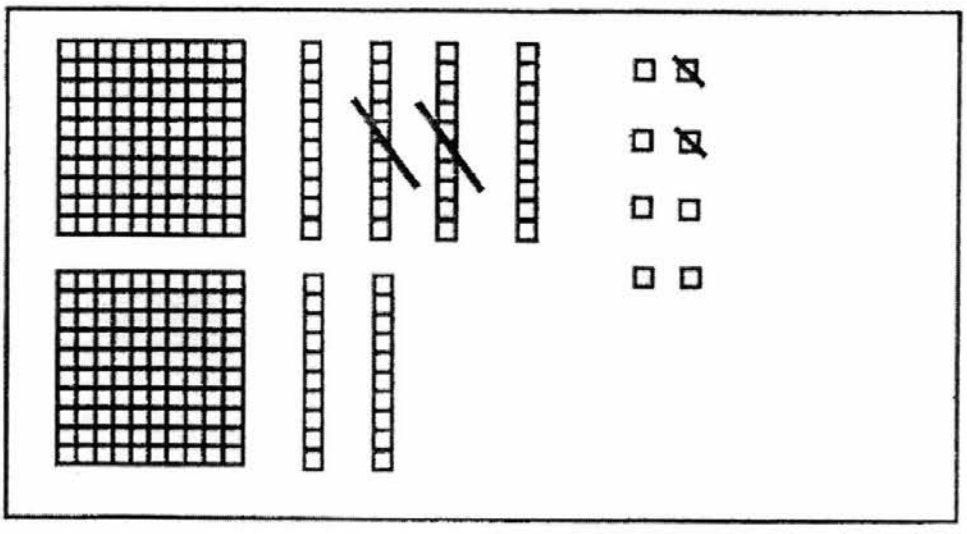
(3) 9 + 4 = 13

(4) 10 + 4 = 14

( )

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8. Which of the following shows the correct **subtraction** equation for the picture below?



(1) 246 – 22 = 224 (3) 268 – 22 = 246

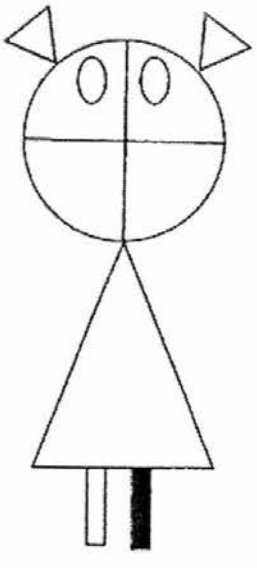
(2) 266 – 22 = 244 (4) 268 – 12 = 256 ( )

9. The width of the door in my classroom is about _____.

(1) 1 cm (3) 1 m

(2) 10 cm (4) 10 m ( )

10. Look at the picture below.
The shaded shape is a _____.

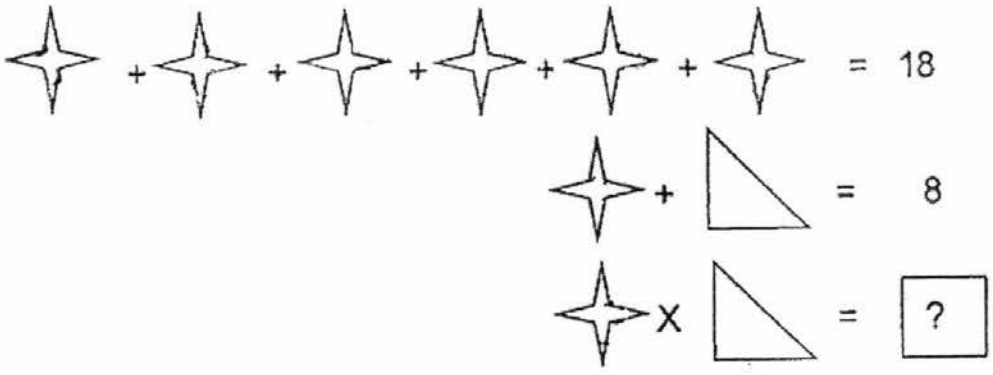


(1) circle (3) square

(2) rectangle (4) triangle ( )

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11.



(1) 5 (3) 3

(2) 15 (4) 26 ( )

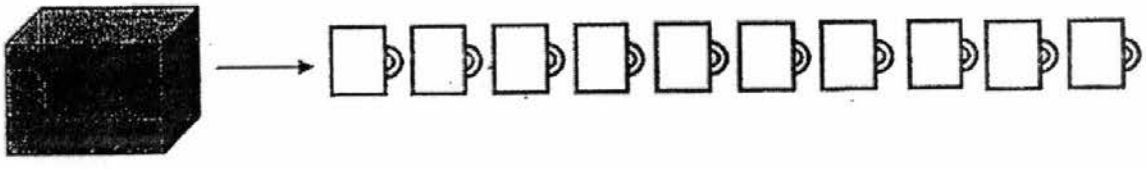
12. Which of these equations below is **not** related?

(1) 14 + 2 = 16 (3) 14 ÷ 7 = 2

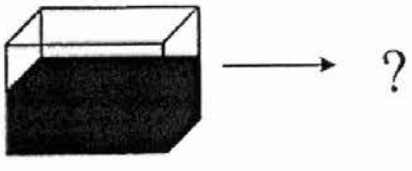
(2) 14 ÷ 2 = 7 (4) 2 x 7 = 14 ( )

13. Study the pictures carefully.
Tank A and tank B are similar. Tank A is filled with water completely.
Tank B is half filled with water.

All the water in Tank A can fill some similar mugs as shown below.
How many similar mugs can be filled by **all the water** in Tank B?



Tank A



Tank B

(1) 5 (3) 12

(2) 8 (4) 20 ( )

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Section B: (28 x 2 marks)

Work out these questions carefully and write their answers in the boxes or blanks provided. Show all working.

14. 612 is 10 more than _____ .

Complete the working for question 15 and 16 below.

15a.

$$\begin{array}{r} 405 \\ +\ 69 \\ \hline \\ \hline \end{array}$$

15b.

$$\begin{array}{r} 523 \\ +\ 187 \\ \hline \\ \hline \end{array}$$

16a.

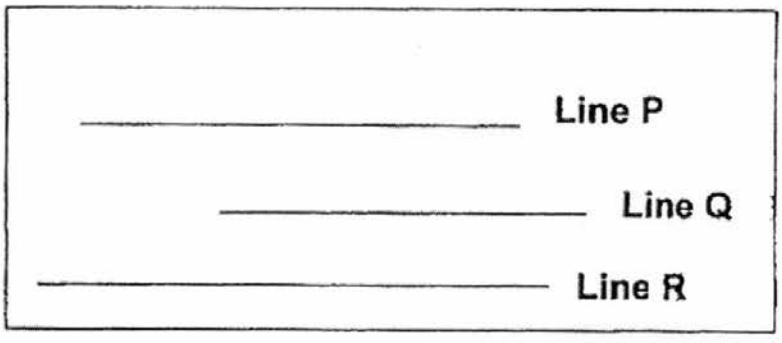
$$\begin{array}{r} 456 \\ -\ 28 \\ \hline \\ \hline \end{array}$$

16b.

$$\begin{array}{r} 624 \\ -\ 163 \\ \hline \\ \hline \end{array}$$

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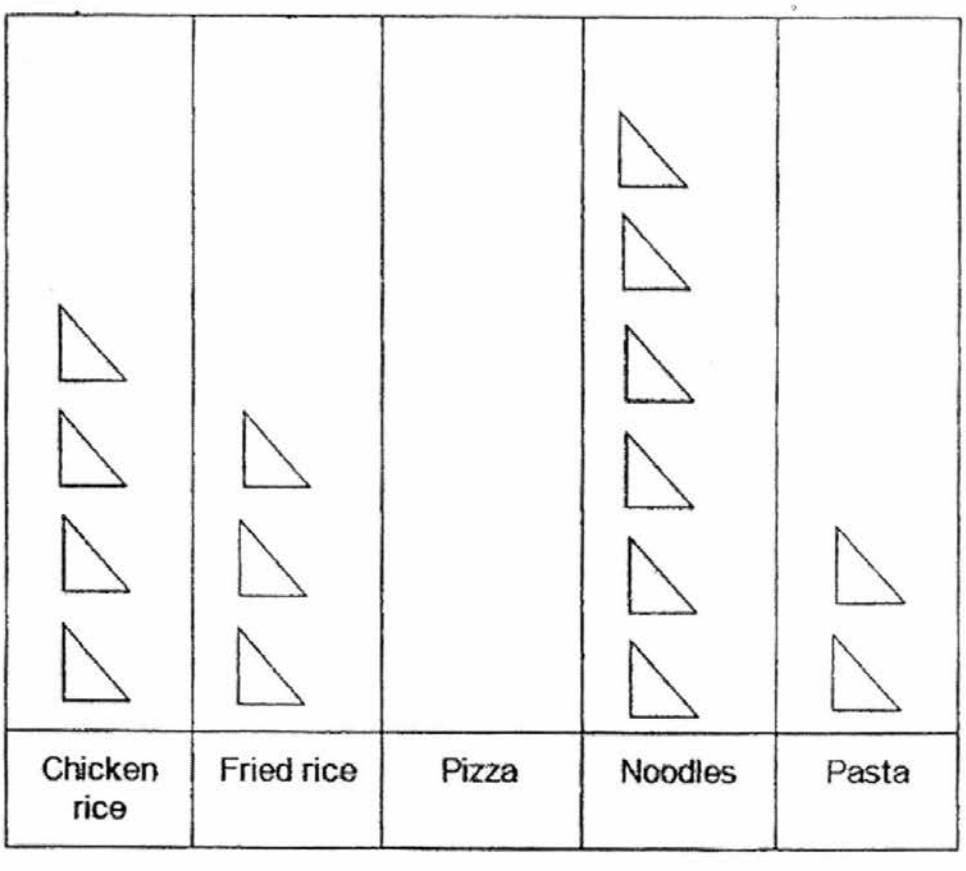
17. Measure the lines below. Which line is the longest?



Line

18. The picture graph below shows the favourite food of Primary 3A.
There are 36 pupils in the class.
Complete the graph below to show the number of pupils who like to eat Pizza.

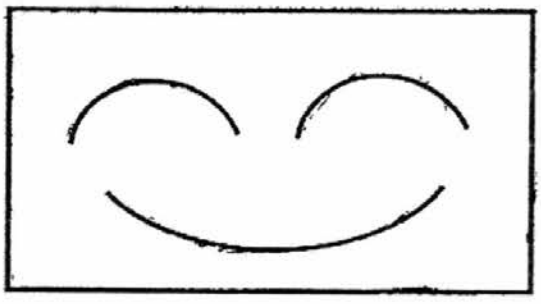
3A Pupil's Favourite Food



Each △ stands for 2 children

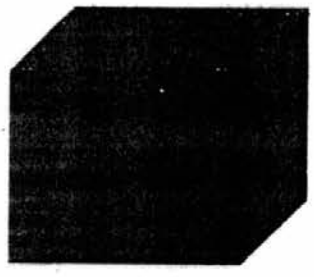
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19. Look at the figure below.

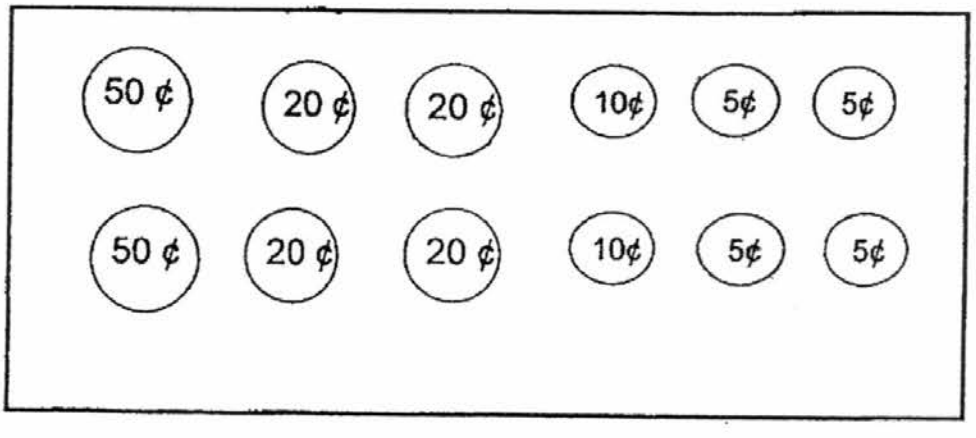


There are _____ straight lines and ____ curves.

20. The figure below has _____ flat surfaces.



21. **Circle** only 5 coins to make $1.



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22. Arrange the set of fractions below in order.
Begin with the **greatest.**

$\frac{1}{5}$	$\frac{1}{9}$	$\frac{1}{2}$	$\frac{1}{3}$

☐ , ☐ , ☐ , ☐

greatest

23. 2 hundreds + 15 tens + 12 ones = _____

☐

24. Find the number in the box below.

☐ + 745 = 851

☐

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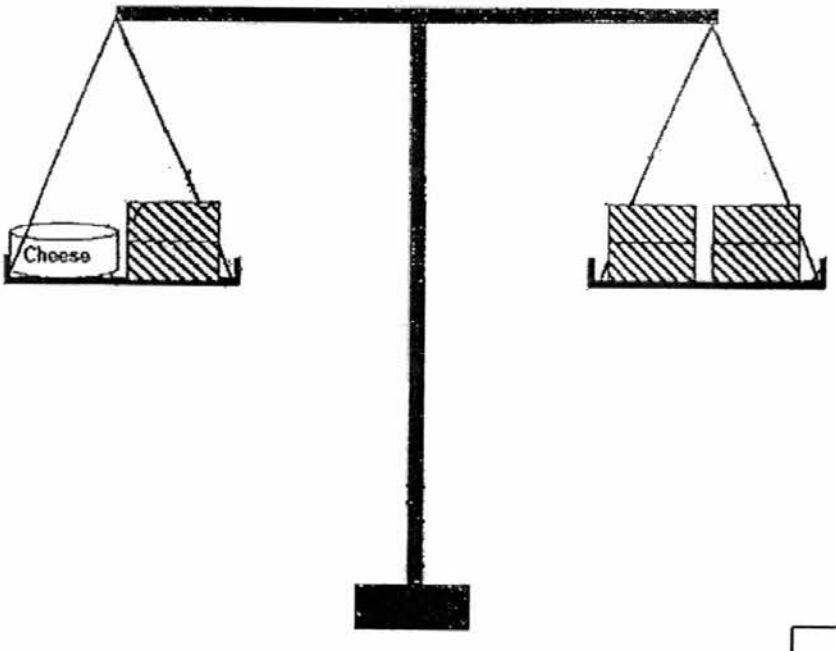
25. Find the missing number.

$$\begin{array}{r} 6\ \boxed{?}\ 0 \\ -\ 1\ 5\ 2 \\ \hline 5\ 3\ 8 \end{array}$$

26. I am a two-digit number.
I am more than 20 but less than 30.
I can be divided by 3 and 4 exactly.

What number am I?

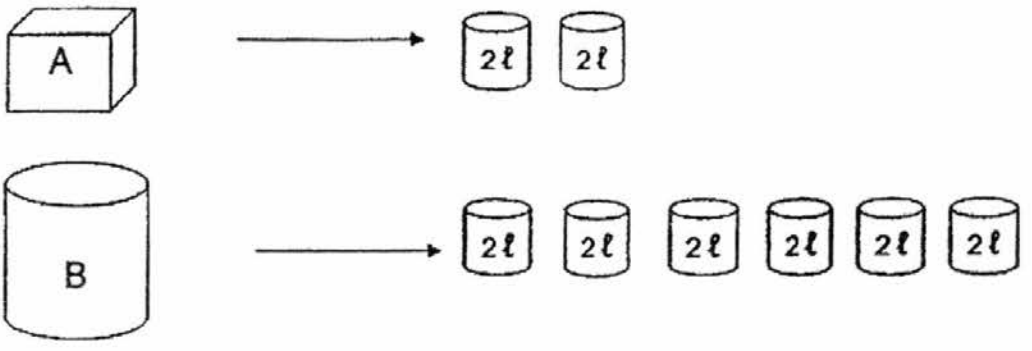
27. The mass of each ▨ is 100g.
What is the mass of the packet of cheese?



g

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28. Sheila used all the water in Tank A to fill some containers.
Then, she used all the water in Tank B to fill some similar containers as shown below.



Tank A contains [ ] ℓ water less than Tank B.

29. Ali reached a park at 7.40 a.m..
He cycled for 30 minutes.

What time did he finish cycling?

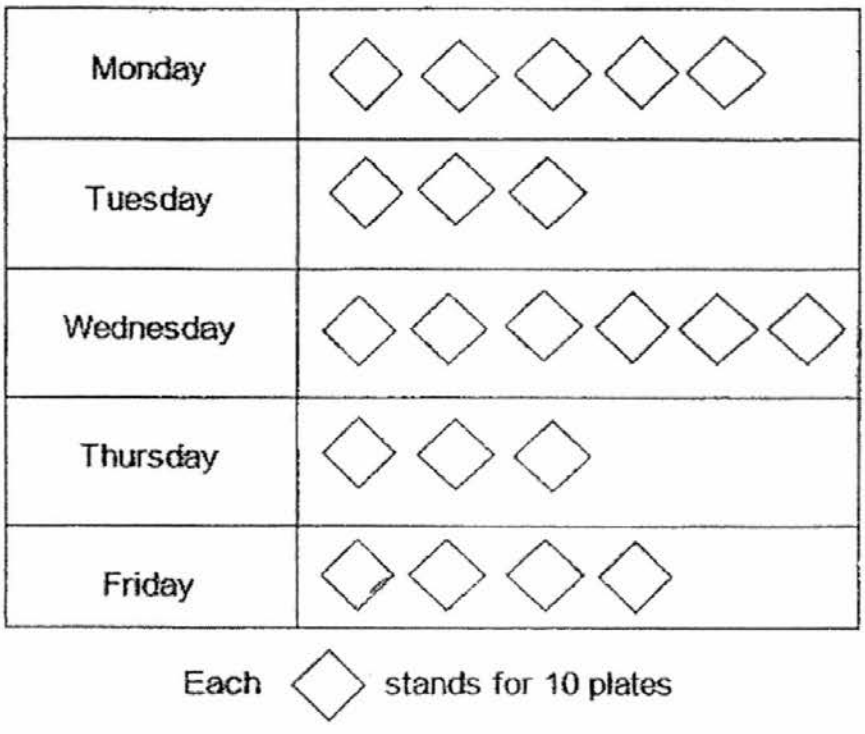
[ ]

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The picture graph below shows the number of plates of chicken rice sold over a week at a stall.

Study it and answer questions **30 and 31**.

Plates of Chicken Rice Sold



30. On which day was there 2 times as many plates of chicken rice sold as Tuesday?

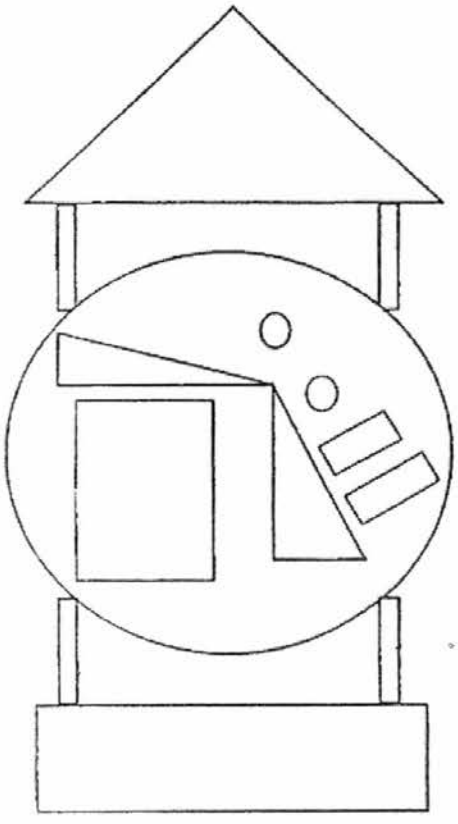
31. Find the total number of plates of chicken rice sold from Wednesday to Friday.

plates

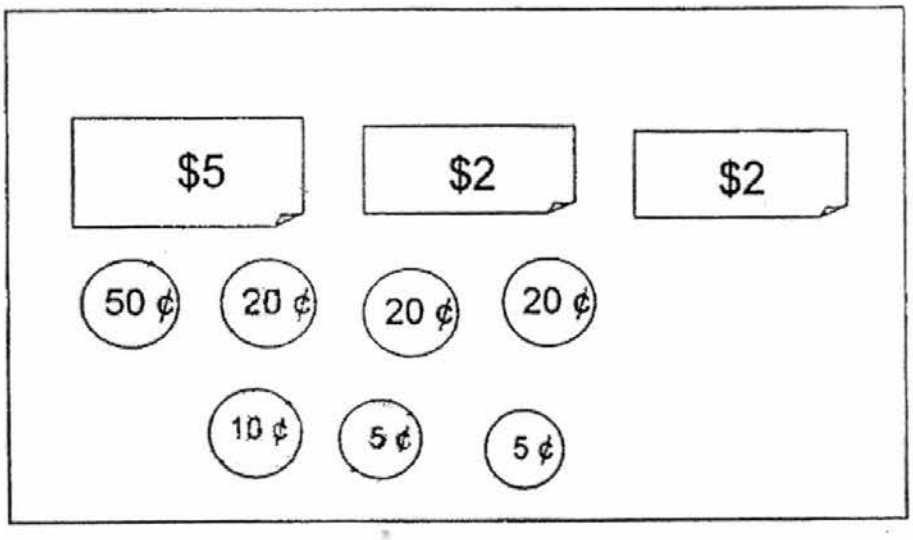
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32. Look at the picture below.
The difference between the number of triangles and rectangles is

_____

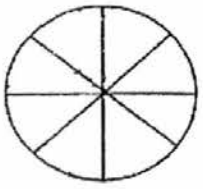


33. Yen bought a book for $4.65.
She handed the cashier $10.
Colour the amount of change she should receive.



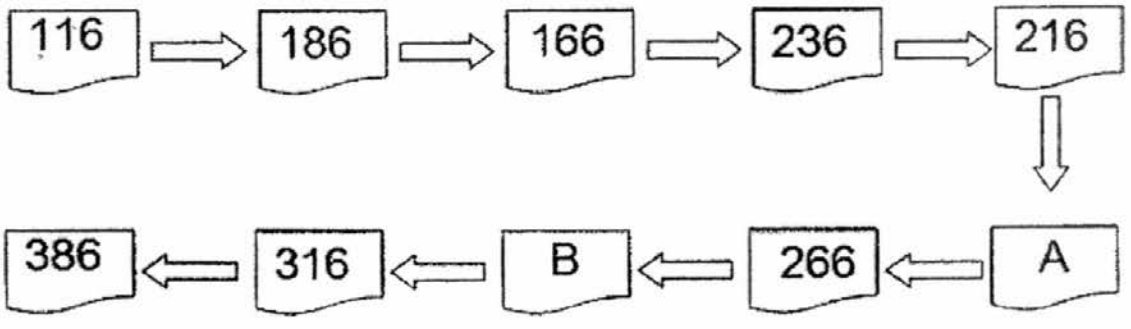
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34. Mrs Lee cuts a pie shown below into 8 equal pieces.
3 pieces were eaten.
What fraction of the pie was **not** eaten?



pie

35. Find the values of A and B.



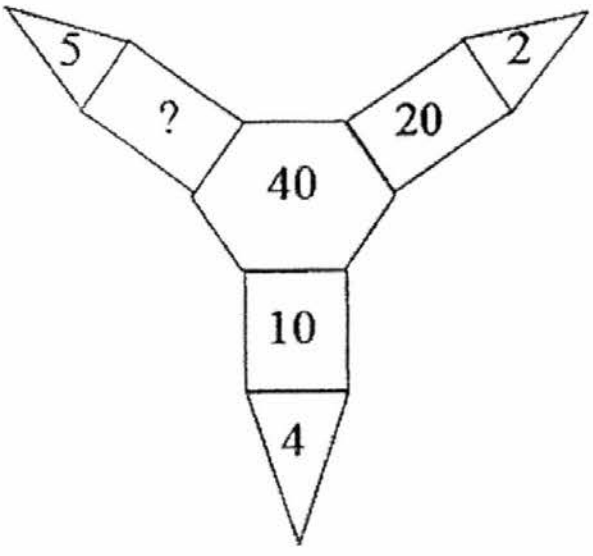
A =

B =

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36. The difference of two numbers is 30.
The smaller number is 14.
What is the greater number?

37. Complete the following.
What is the missing number?



38. Bobby buys 3 bags of marbles.
There are 10 marbles in each bag.
He keeps 12 marbles and gives the rest of the marbles to his 2 friends equally.
How many marbles does each friend receive?

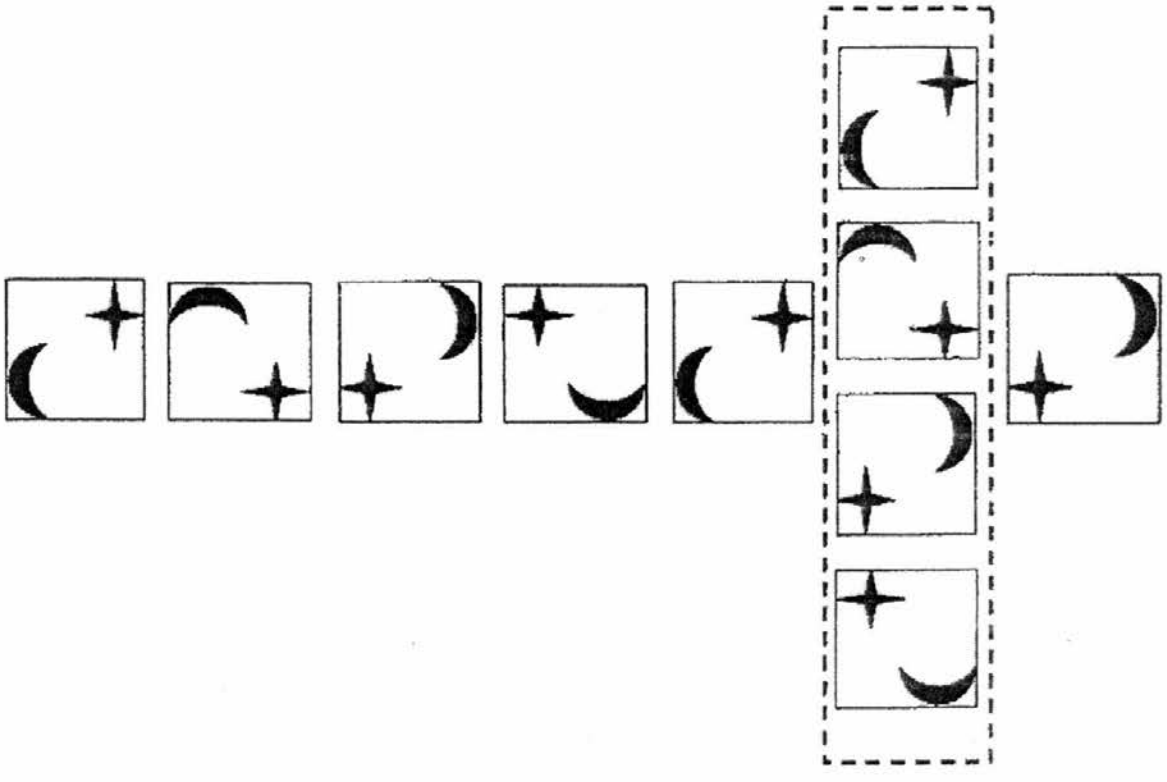
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39. Suzie attends Art lesson every Thursday.
The lesson is 50 minutes long.

The lesson ends at half past 5 in the evening.

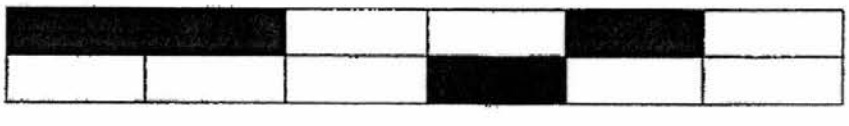
What time did the lesson start?

40. Look at the pattern below.
Circle one of the correct pictures in the box to complete the pattern.



41. Study the figure below.

How many more parts must be shaded to show $\frac{7}{12}$?



parts

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Section C: (6 x 3 =18 marks)

Show all number equations and working clearly in the space provided.

42. Sheila has 207 stamps.
She has 35 stamps more than Lily.
Betty has 50 stamps fewer than Lily.
How many stamps does Betty have?

Working

Betty has _____ stamps.

43. Annie has 9 apples.
Lucy as 4 times as many apples as Annie.
How many apples do they have altogether?

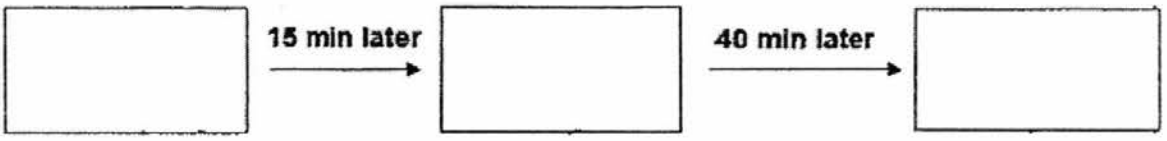
Working

They have _____ apples altogether.

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44. Eunice leaves school at 1.30 p.m.
She reached the library 15 minutes later.
She spent 40 minutes at the library.
What time did she leave the library?

(Hint: Fill in the time-line below to work out your answer.)



Eunice left the library at _____

45 Mrs Soo puts some marbles in some similar plates.
Find the mass of the empty plate.


140g


110g

Working

The mass of the empty plate is _____ g.

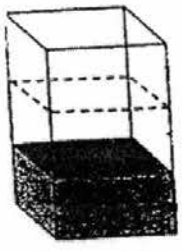
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46. A box of buns costs $2
There are 4 buns in each box.
Mr Que wants to buy 20 buns.
How much does he have to pay?

Working

He has to pay $_____ .

47. $\frac{1}{3}$ of the container below is filled by 7 bottles of orange juice.



Working

(a) What fraction of the container is not filled?

_____ of the container is not filled.

(b) How many more similar bottles of orange juice are needed to fill the container completely?

_____ more bottles of orange juice are needed.

The End
Have you checked your work?

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EXAM PAPER 2016 (P2)

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL

SUBJECT : MATHEMATICS

TERM : SA2

Section A

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

Section B

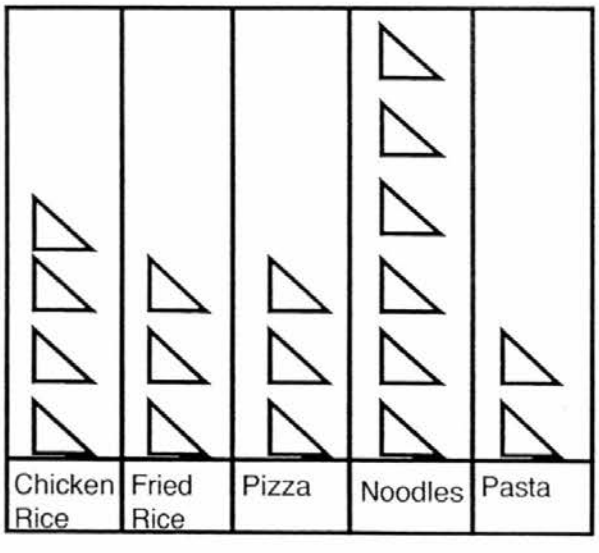
Q14) 602

Q15) (a) 474
(b) 710

Q16) (a) 428
(b) 461

Q17) Line R

Q18)



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Q19) There are 4 straight lines and 3 curves.

Q20) The figure below has 6 flat surfaces.

Q21) 50c, 20c, 20c, 5c, 5c

Q22) $\boxed{\frac{1}{2}}$, $\boxed{\frac{1}{3}}$, $\boxed{\frac{1}{5}}$, $\boxed{\frac{1}{9}}$

Q23) 200 + 150 + 12 = 362

Q24) 106 + 745 = 851

Q25) 9

Q26) 24

Q27) 400g - 200g = 200g

Q28) 2 + 2 + 2 + 2 = 8
Tank A contains 8l water less than Tank B.

Q29) 8.10am

Q30) Wednesday



Q31) 60 + 30 + 40 = 130

Q32) 5

Q33) $5, 20c, 10c, 5c

Q34) $\frac{5}{8}$

Q35) A = 286

B = 336

Q36) 44

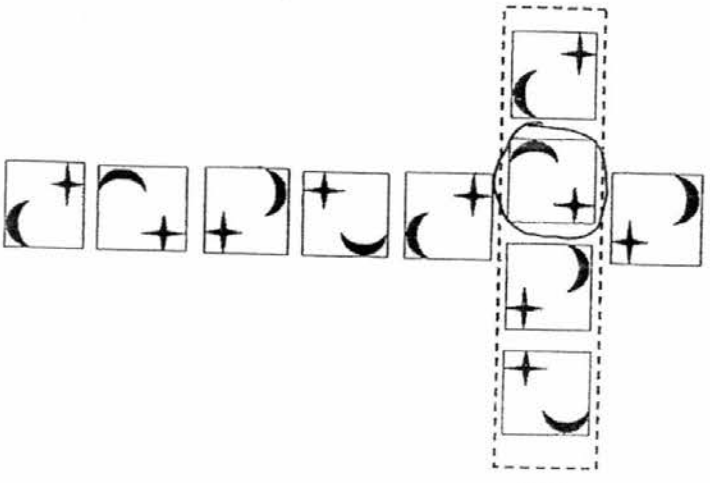
Q37) 8

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Q38) 3 X 10 = 30
30 - 12 = 18
18 ÷ 2 = 9
Ans: 9

Q39) 4.40pm

Q40



Q41) 3 parts

Q42) S = 207
L = 207 - 35
= 172
B = 172 - 50
= 122

Betty has 122 stamps.

Q43) 1u = 9
5u = 9 X 5
= 45

They have 45 apples altogether.

Q44) 1.30pm → (15 min later) 1.45pm → (40 min later) 2.25pm

Eunice left the library at 2.25pm.

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Q45) 3m + 1p = 140g
2m + 1p =110g
1m = 140 - 110 = 30g
Mass = 110g - 30g - 30g
= 50g

The mass of the empty plate is 50g.

Q46) 4b = $2
20 ÷ 4 = 5
5 X $2 = $10
He has to pay $10.

Q47) (a) $1 - \frac{1}{3} = \frac{2}{3}$

$\frac{2}{3}$ of the container is not filled.

(b) 1 part = 7 bottles
2 parts = 7 X 3
= 14 bottles

14 more bottles of orange juice are needed.

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