Parent's signature:

_____

_____

30

Anglo-Chinese School
(Primary)

A Methodist Institution
(Founded 1886)

P2 Mathematics
Practice Paper 3 (Money, Fractions, Volume & Time)

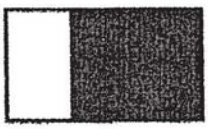
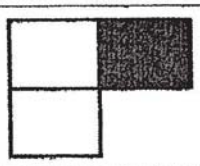
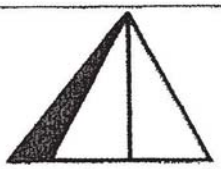
Name: _____ ( ) Duration: 50 minutes

Class: P2 ___ Date: _____

Section A: Multiple Choice Questions (5 x 2 marks)

Choose the correct answer and write its number (1, 2, 3 or 4) in the bracket.

1. Set_____ and Set _____ show that $\frac{1}{3}$ of the shape is shaded.

			
Set A	Set B	Set C	Set D

(1) A and B

(2) A and C

(3) B and C

(4) B and D ( )

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2. 3 five-cent coins and 4 twenty-cent coins is _____.

(1) 15¢

(2) 25¢

(3) 80¢

(4) 95¢ ( )

3. Amy started her piano lesson 30 minutes after the time shown on the clock. What time did Amy start her piano lesson?

(1) 10.00

(2) 10.30

(3) 11.00

(4) 11.30 ( )

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4. $1 - \frac{7}{12} =$ _____

(1) $\frac{5}{12}$

(2) $\frac{6}{12}$

(3) $\frac{7}{12}$

(4) $\frac{12}{12}$ ( )

5. Billy bought 6 bottles of apple juice.
Each bottle had 2 ℓ of apple juice.
How many litres of apple juice did he buy?

(1) 12 ℓ

(2) 10 ℓ

(3) 3 ℓ

(4) 4 ℓ ( )

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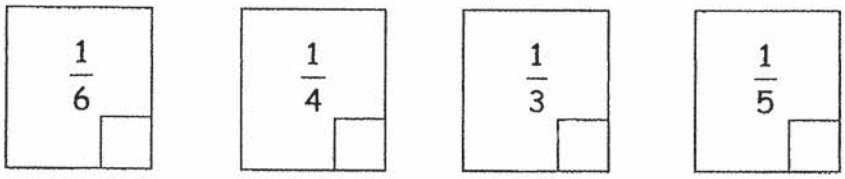
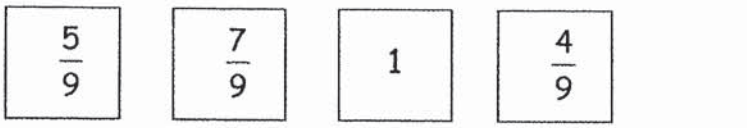
Section B: Short-Answer Questions (10 x 1 mark)

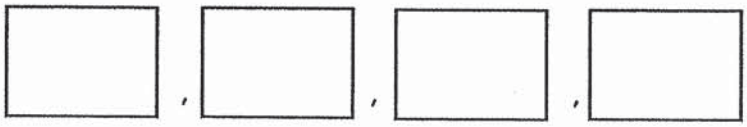
Write the answer in the boxes provided. Show all workings clearly.

6. Tick the greatest fraction.



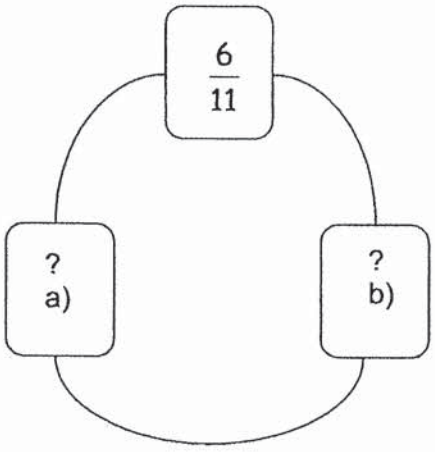
7. Arrange the following in order.
   Begin with the smallest fraction.





smallest

8. Fill in the missing fractions to make 1 whole.



a) ☐

b) ☐

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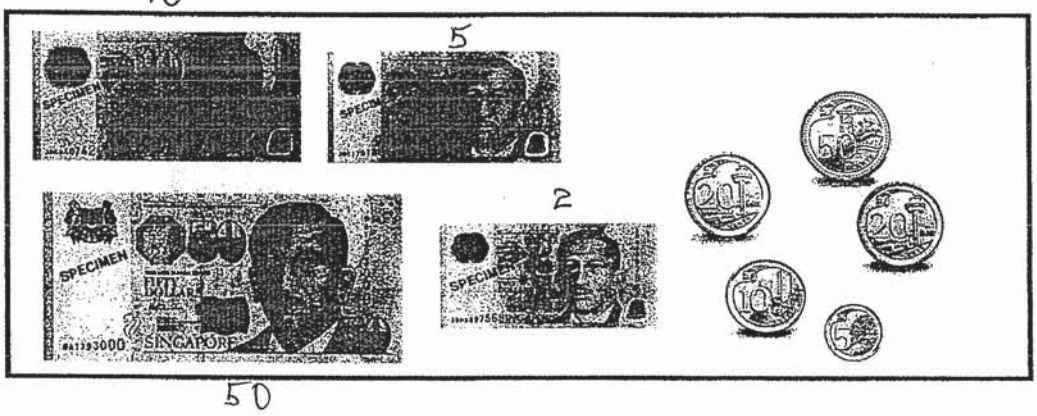
9. The diagram below shows some notes and coins.

What is the total amount of money?



Answer: $ ____

10. The time is _____.

Answer: ____

11. 9.00 a.m. is 1 hour after _____ a.m.

Answer: ____

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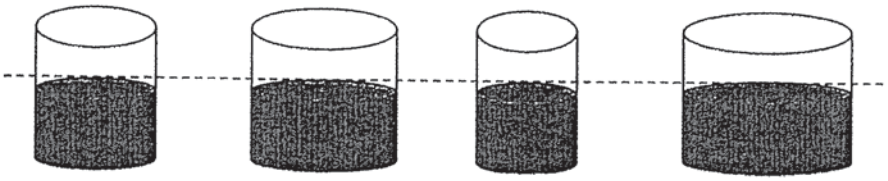
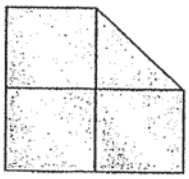
12. Container _____ has more water than Container A but less water than Container D.



Answer: [ ]

13. Look at the diagram below.
Write the fraction in the box.

If  is 1 whole, is _____.

Answer: [ ]

14. 60¢ and $ _____ make $1.

Answer: $ [ ]

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15. $\frac{3}{10} + \frac{4}{10} =$ _____

Answer: [ ]

Section C: Problem Sums (10 marks)

Answer each question in the space provided.

Your workings must be clearly shown.

16. A mini bus can carry 5 passengers.
What is the minimum number of mini buses needed for 24 passengers? (2m)
(**Hint: Make a Table**)

Workings

No. of mini buses	1							
No. of passengers	5							

The minimum number of mini buses needed is _____.

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Workings

17. Sam had $1.

He bought a pen for 65¢.

How much change did Sam receive? (2m)

Sam received _____¢.

18. Container Z has 14 ℓ of water more than Container Y.

Container Y has 7 ℓ of water less than Container X.

Container X has 56 ℓ of water.

How many litres of water are there in Container Z? (3m)

There are _____ℓ of water in Container Z.

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19. A book costs $15.
It is $6 more than a watch.
How much do a book and a watch cost altogether? (3m)

Workings

A book and a watch cost $ _____ altogether.

END OF TEST

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Name: _____ ( ) Class: 2___ Date: _____

Practice Paper 1

<u>Section A: Multiple Choice Questions</u> (10 Questions x 1 mark)

For each question, four options are given. One of them is the correct answer. Choose the correct answer and write 1, 2, 3 or 4 in the given brackets. All diagrams are not drawn to scale unless otherwise stated.

1. The value of digit 5 in 759 is _____.

(1) 5
(2) 7
(3) 50
(4) 90

( )

2. ? + 235 = 628

The missing number in the box is _____.

(1) 393
(2) 413
(3) 853
(4) 863

( )

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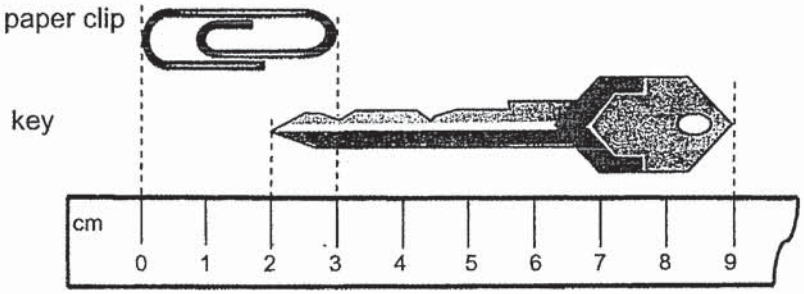
3. Look at the picture below.



The length of the key is _____ cm longer than the paper clip.

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

4. _____ groups of 3 is 24.

(1) 9
(2) 8
(3) 6
(4) 4 ( )

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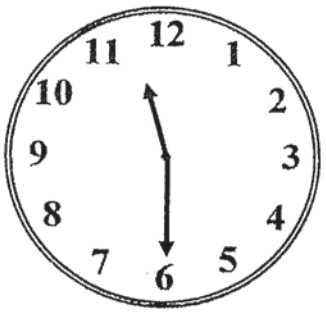
5. Solid Y can roll and slide. It has 2 edges. It has flat faces and a curved surface. Solid Y is a _____.

(1) cone
(2) cuboid
(3) sphere
(4) cylinder ( )

6. Look at the clock below.
Peter had his guitar lesson 30 minutes after the time shown on the clock.
Peter started his guitar lesson at _____.



(1) 11.00
(2) 11.30
(3) 12.00
(4) 12.30 ( )

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7. $\frac{7}{11}$ is smaller than _____.

(1) $\frac{2}{11}$

(2) $\frac{4}{11}$

(3) $\frac{6}{11}$

(4) $\frac{8}{11}$ ( )

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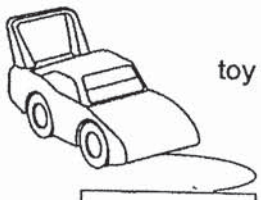
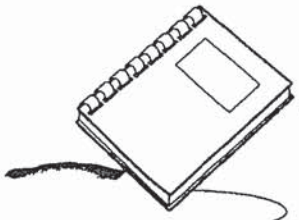
8. Look at pictures below.

_____ is the cheapest.



toy car

$12.40



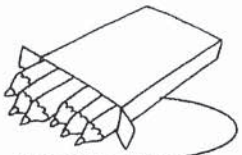
notebook

$13.50

pencil case

$11.20

box of coloured pencils



$10.90

(1) toy car

(2) notebook

(3) pencil case

(4) box of coloured pencils ( )

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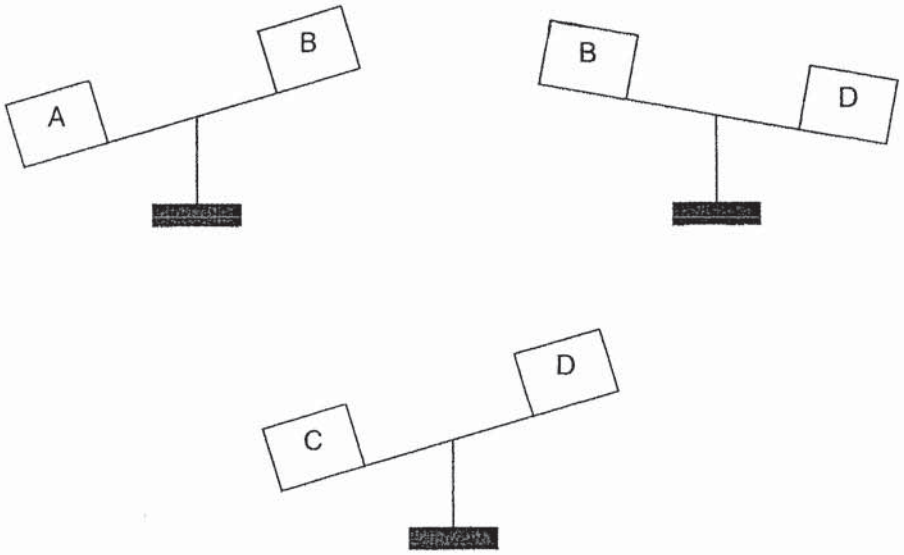
9. Look at the figures below.

Object _____ is the lightest.



(1) A
(2) B
(3) C
(4) D ( )

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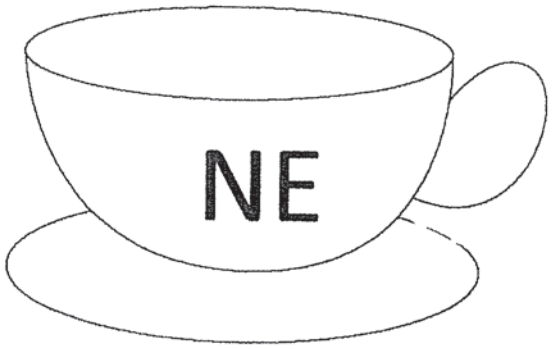
10. The figure is made of _____ curves.



(1) 11
(2) 7
(3) 3
(4) 4 ( )

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Section B: Short Answers (10 Questions x 1 mark)
Write your answers in the spaces provided. Give your answers in the units stated.
All diagrams are not drawn to scale unless otherwise stated.

11. Study the pattern below.
Which Set does number 30 belong to?

Set A	Set B	Set C	Set D
1	2	3	4
8	9	10	11
15	16	17	18
22	23	24	25

Answer: Set _____

12. Each ☆ can only be filled with a single digit. Fill in the ☆ with the same digit.

```
  1  5  ☆
+ 3  ☆  9
---------
  5  4  7
---------
```

Answer: ☆ = _____

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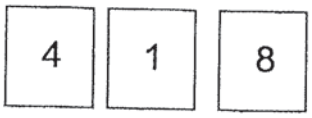
13. Look at the cards below.

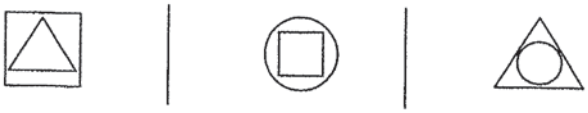


How many ways can you form a 3-digit number using the cards? You can use the card once only.

Answer: _____ ways

14. Study the pattern below.
Circle the missing shape.

Circle the missing shape.



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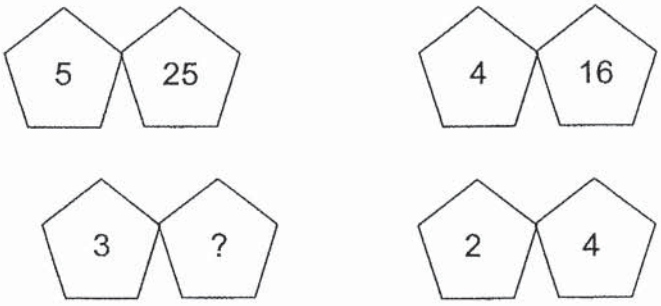
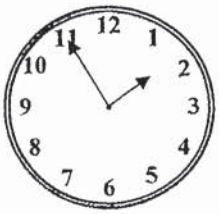
15. Look at the diagram below.
What is the missing number?



Answer: _____

16. Look at the clock below.
The time is _____.



Answer: _____

17. 314 + 256 = 5 hundreds ____?____ tens

Answer: _____

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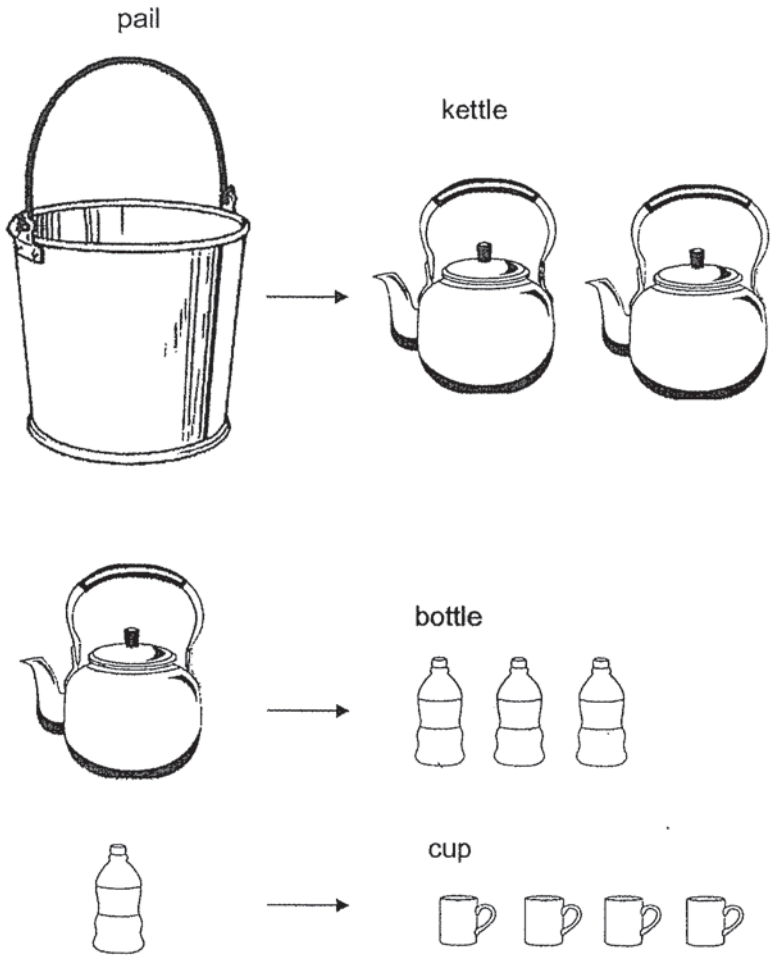
18. Study the picture below.



The pail can hold _____ cups of water.

Answer: _____

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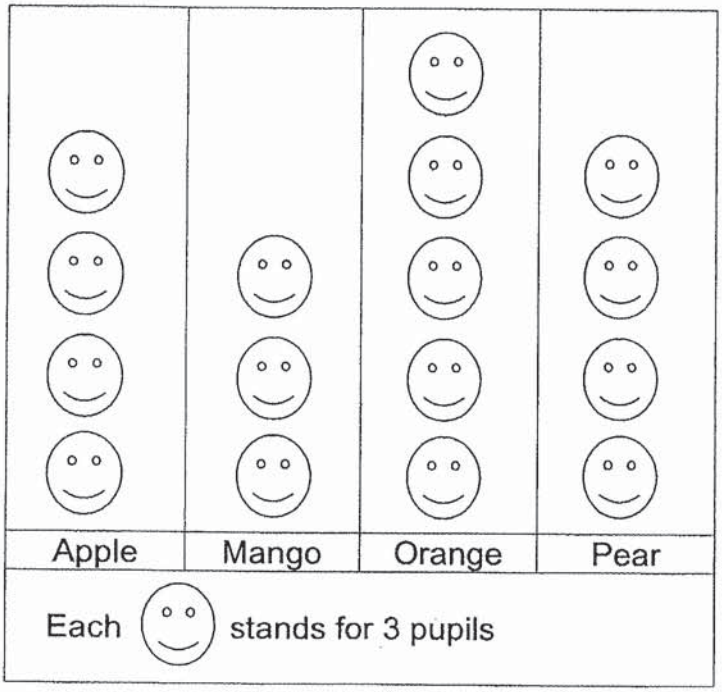
Study the graph carefully and answer questions 19 and 20.
The graph below shows the favourite fruits of the pupils in Class 2A.

Favourite Fruits



19. How many more oranges than mangoes did the pupils like to eat?

Answer: _____

20. Pupils in Class 2A ate 18 pears last week.

How many more ☺ are needed in the picture graph to represent the number of pupils who ate the pears last week?

Answer: ☺ = _____

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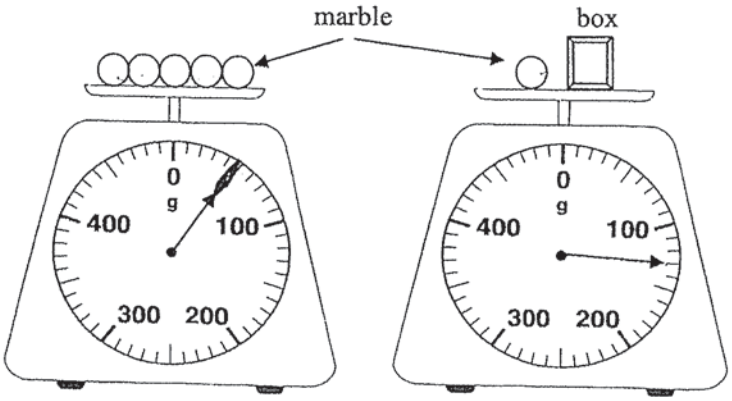
Section B: Short Answers (8 Questions x 2 marks)
Show all workings and mathematical equations clearly in the space below each question. Give your answers in the units stated.
All diagrams are not drawn to scale unless otherwise stated.

21. Look at the pictures below.
The mass of the box is _____ g.



Answer: _____ g

22. Container X contains 32 ℓ of water.
Container X contains 14 ℓ of water less than Container Y.
How many litres of water are in both Containers?

Answer: _____ litres

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23. $\frac{1}{5} + \square = 1$

Answer: _____

24. Cindy wants to give 6 sweets to each of her friends.
How many sweets does she need to buy?

Answer: _____ sweets

25. Janet had 5 coins in her purse.
The coins add up to $1.50.
She had some 50-cent coins, 20-cent coins and 10-cent coins.
How many 20-cent coins did she have in her purse?

Answer: _____ 20-cent coins

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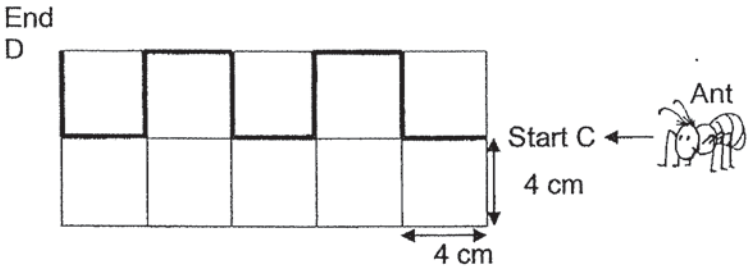
26. The total mass of a notebook and a parcel is 530 g.
The mass of a parcel is 384 g.
What is the mass of the notebook?

Answer: _____ g

27. An ant crawls along the path to look for food.
The distance it takes to crawl from C to D is _____ cm.



Answer: _____ cm

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28. Jimmy thought of a number.
When he added 57 to the number, his answer was 18 less than 99.
What is the number that Jimmy thought of?
(Hint: Working backwards)

Answer: _____

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Section C: Problem Sums (14 marks)

For questions 29 to 32, show your workings and mathematical equations clearly in the space provided for each question. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

29. Ahmad had 354 badges.
He bought another 49 badges from a bookshop.
He then gave 38 badges to his friend.
How many badges did he have left? [3 marks]

Workings

He had _____ badges left.

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30. 412 people watched a musical performance on Saturday.
139 more people watched the musical performance on Saturday than on Sunday.
How many people watched the performance on both days?
[3 marks]

Workings

_____ people watched the performance on both days.

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31. Simon had some ice cream sticks.
He gave away 83 ice cream sticks to his friends and had 147 ice cream sticks left.

(a) How many ice cream sticks did Simon have at first? [2 marks]

Workings

Simon had _____ ice cream sticks at first.

(b) Simon's brother spent $36 on 4 packets of ice cream sticks.
How much did each packet of ice cream sticks cost? [2 marks]

Each packet of ice cream sticks cost $ _____.

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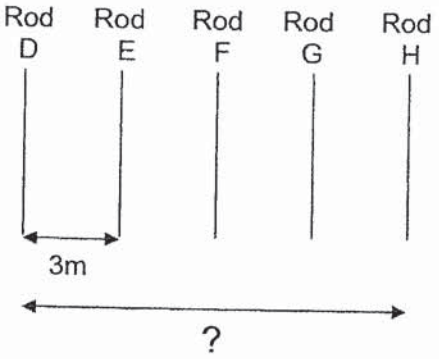
32. Rods A, B and C are placed along a straight line.
The total height of Rod A and B is 67 cm.
The height of Rod C is 58 cm longer than the total height of Rod A and B.

(a) What is the height of Rod C? [2 marks]

Workings

The height of Rod C is _____ cm.

(b) There are 5 similar rods, Rods D, E, F, G and H.
The rods are placed equally along a straight line.
What is the distance between Rod D and Rod H?
[2 marks]



The distance between Rod D and Rod H

is_____ m.

End-of-Paper

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Name: _____ ( ) Class: 2___ Date: _____

Practice Paper 2

<u>Section A: Multiple Choice Questions</u> (10 Questions x 1 mark)

For each question, four options are given. One of them is the correct answer. Choose the correct answer and write 1, 2, 3 or 4 in the given brackets. All diagrams are not drawn to scale unless otherwise stated.

1. The numeral 465 is the same as _____.

   (1) 4 hundreds 65 tens
   (2) 4 hundreds 56 ones
   (3) 4 hundreds 5 tens 6 ones
   (4) 4 hundreds 6 tens 5 ones ( )

2. There are _____ odd numbers from 302 to 312.

   (1) 5
   (2) 6
   (3) 10
   (4) 11 ( )

3. 10 less than 1 000 is _____.

   (1) 90
   (2) 900
   (3) 990
   (4) 999 ( )

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4. Which one of the following has the greatest value?

(1) 2 x 10

(2) 5 nines

(3) 3 groups of 8

(4) 2 + 2 + 2 + 2 + 2 + 2 ( )

5. Which clock shows 10 minutes after 4 o'clock?

(1)

(2)

(3)

(4)

( )

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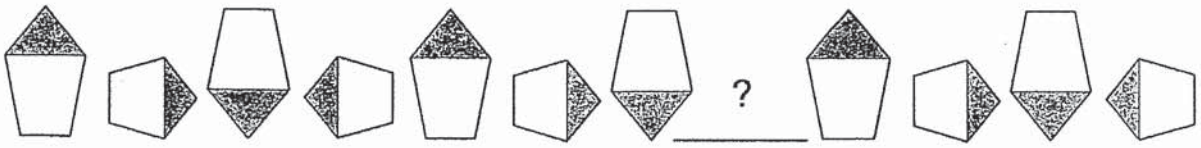
6. Study the pattern below.



(1)

(2)

(3)

(4)

( )

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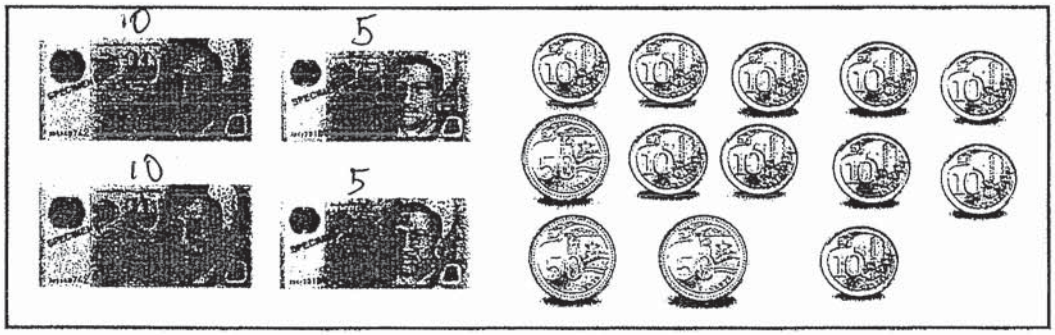
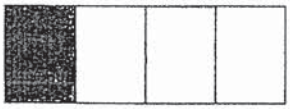
7. Look at the picture below.There are some notes and coins.

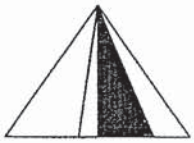


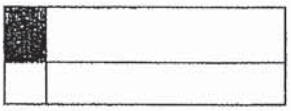
There is $_____ altogether.

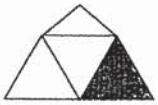
(1) $ 31.70
(2) $ 31.80
(3) $ 32.05
(4) $ 32.50 ( )

8. Which figure below shows $\frac{1}{4}$ of the shape is shaded?

(1) 

(2) 

(3) 

(4)  ( )

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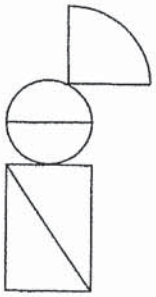
9. The figure below is made up of _____.



(1) 3 semicircles and 1 rectangle

(2) 2 triangles, 1 circle and 1 semicircle

(3) 2 semicircles, 1 quarter circle and 1 square

(4) 2 semicircles, 1 quarter circle and 2 triangles ( )

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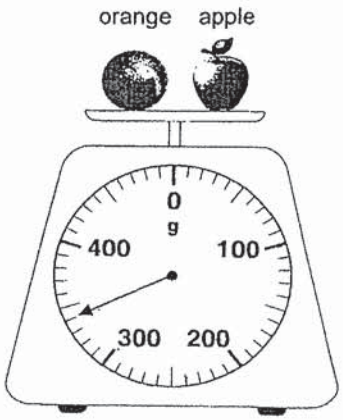
10. Look at the picture below.

The mass of an apple is 120 g.



The mass of the orange is_____ g.

(1) 120
(2) 220
(3) 340
(4) 460 ( )

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Section B: Short Answers **(10 Questions x 1 mark)**
Write your answers in the spaces provided. Give your answers in the units stated.
All diagrams are not drawn to scale unless otherwise stated.

11. Write the number in words.

398 = ☐

12. What is the missing number?

$$\begin{array}{r} 6\ 8\ 2 \\ -\ 1\ \boxed{?}\ 7 \\ \hline 5\ 3\ 5 \\ \hline \end{array}$$

Answer: _____

13. Study the diagram below.

+ = 13

- = 3

What is the value of ?

Answer: _____

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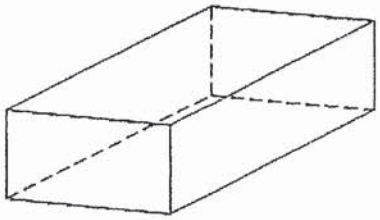
14. Look at the object below.



The object has _____ corners.

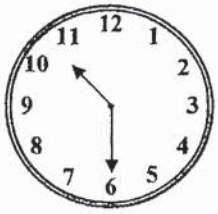
Answer: _____

15. Mary puts 21 stickers into packets of 3.

There are _____ packets of stickers.

Answer: _____

16. Cindy took 1 hour to complete her homework.
She completed her homework at the time shown on the clock below.
What time did she start doing her homework?



Answer: _____ a.m.

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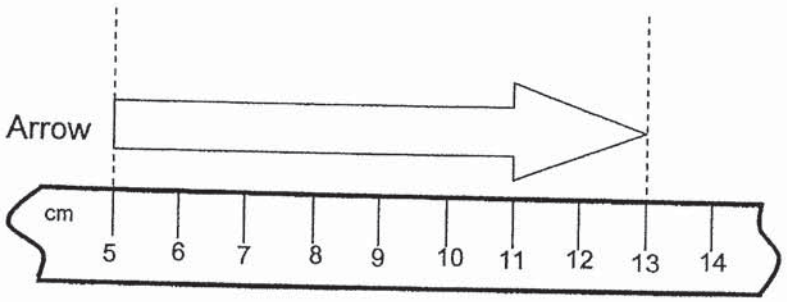
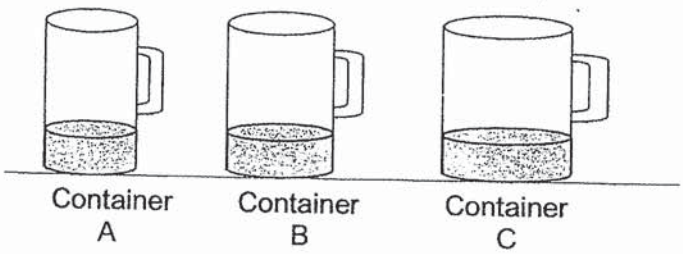
17. Look at the picture below.



The length of the arrow is _____ cm.

Answer: _____

18. Three containers are filled to the same height with water.



Arrange the Containers A, B and C from the **greatest** amount of water to the **least** amount of water.

Answer: Container _____, Container _____ and Container _____
(greatest)

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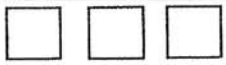
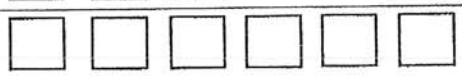
Study the graph carefully and answer questions 19 and 20.

The picture graph shows the number of toy cars Luke collected.

The Toy Cars Luke Collected	
Red Car	
Blue Car	
Yellow Car	
	Each stands for 5 toy cars.

19. How many blue toy cars must Luke sell so that he has 10 more blue toy cars than red toy cars?

Answer: _____

20. Luke decided to sell all his yellow toy cars to Ben.
He sold each toy car for $2.
How much did Ben pay for all the yellow toy cars?

Answer: $ _____

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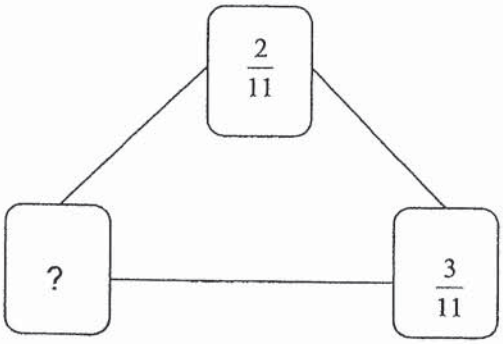
Section B: Short Answers (8 Questions x 2 marks)
Write your answers in the spaces provided. Give your answers in the units stated.
All diagrams are not drawn to scale unless otherwise stated.

21. Look at the diagram below.
Fill in the missing fraction to make 1 whole.



Answer: _____

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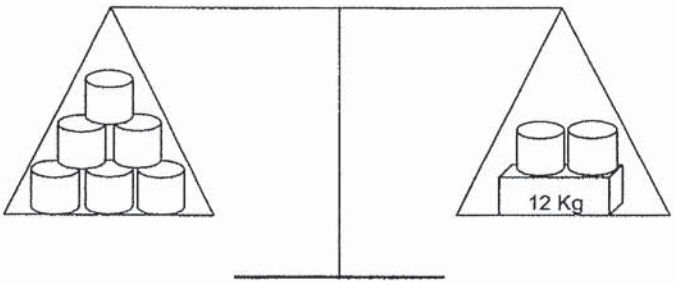
22. Look at the picture below.



The mass of is _____ kg.

Answer: _____ kg

23. May and her 2 friends won a packet of pens in an Art Competition.
Each of them received 9 pens.
How many pens were there in all?

Answer: _____

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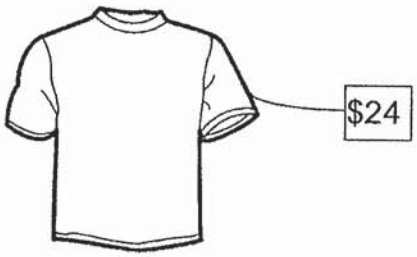
24. David bought a shirt and a bag.
He gave the cashier some money and received $8 change.
How much money did he give the cashier?



Answer: $ _____

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25. Amy is 49 kg.
She is 8 kg heavier than Sharon.
What is the total mass of the two girls?

Answer: _____ kg

26. Tim has some sweets and lollipops. For every 4 lollipops he packs, he will pack 3 sweets. How many sweets would he have packed if he packed 20 lollipops? (Complete the table below.)

Lollipops	4	8			
Sweets	3	6			

Answer: _____

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27. The diagram below shows the score of Jill's marks for 3 subjects. What is her total marks for these 3 subjects?

Subjects	Marks
English	66
Mathematics	86
Chinese	72
Total	?

Answer: _____

28. John sold 75 litres of orange juice and mango juice at a funfair. He sold 52 litres of orange juice. How much less mango juice than orange juice did he sell at the fair?

Answer: _____ litres

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Section C: Problem Sums (14 marks)

For questions 29 to 32, show your working and equations clearly in the space provided for each question. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

29. Mr Lee sold 642 balloons on Sunday.
425 balloons are green and the rest are blue.

a) How many blue balloons did Mr Lee sell? [1 mark]

Working

Mr Lee sold _____ blue balloons.

b) How many more green balloons than blue balloons did Mr Lee sell ? [2 marks]

Mr Lee sold _____ more green balloons than blue balloons.

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30. There are three ropes.
The length of Rope X is 46 cm shorter than Rope Y.
The length of Rope Y is 128 cm longer than Rope Z.
The length of Rope Z is 305 cm.
Find the length of Rope X. [3 marks]

Working

The length of Rope X is _____ cm.

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31. Jacob saved $4 everyday.

(a) How much money did Jacob save in 9 days? [2 marks]

Working

Jacob saved $_____ in 9 days.

(b) Amy took 7 days to save $35.
Amy saved the same amount of money each day for 7 days.
How much money did she save each day?
[2 marks]

Amy saved $_____ each day.

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32. Tracy had 534 beads at first.
She used 76 beads to make a bracelet.

(a) How many beads does Tracy have now? [2 marks]

Working

Tracy has _____ beads now.

(b) Tracy decided to use 18 beads to make some bracelets. She used 6 beads to make each bracelet.
How many bracelets did Tracy make? [2 marks]

Tracy made _____ bracelets.

End-of-Paper

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ANSWER KEY

LEVEL : PRIMARY 2
SCHOOL : ANGLO-CHINESE PRIMARY
SUBJECT : MATHEMATICS

PRACTICE PAPER 3 (MONEY, FRACTIONS, VOLUME & TIME

Section A

Q1	Q2	Q3	Q4	Q5
2	4	3	1	1

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Section B

6) $\frac{1}{3}$

7) $\frac{4}{9}$, $\frac{5}{9}$, $\frac{7}{9}$, 1

8) (a) $\frac{4}{11}$

(b) $\frac{1}{11}$

9) $68.05

10) 3.50

11) 8.(illegible)

12) B

13) $\frac{1}{7}$

14) $0.40

15) $\frac{7}{10}$

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Section C

16)

No. of mini buses	1	2	3	4	5
No. of passengers	5	10	15	20	25

The minimum number of mini buses needed is 5.

17) **100 – 65 = 35**
Sam received 35 ¢.

18) **56 – 7 = 49**
49 + 14 = 63
There are 63 ℓ of water in Container Z.

19) **15 – 6 = 9**
9 + 15 = 24
A book and a watch cost $24 altogether.

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PRACTICE PAPER 1

Section A

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

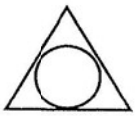
Section B

11) **Set B**

12) **8**

13) **6**

14)



15) **9**

16) **1.55**

17) **7**

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18) 24

19) 6

20) 2

21) 120 g

22) 78 litres

23) $\frac{4}{5}$

24) 30 sweets

25) 2 20-cent coins

26) 146 g

27) 40 cm

28) 24

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Section C

29) 354 + 49 = 403
403 − 38 = 365
He had 365 badges left.

30) 412 − 139 = 273
412 + 273 = 685
685 people watched the performance on both days.

31) (a) 147 + 83 = 230
Simon had 230 ice cream sticks at first.

(b) 36 ÷ 4 = 9
Each packet of ice cream sticks cost $9.

32) (a) 67 + 58 = 125
The height of Rod C is 125 cm.

(b) 3 x 4 = 12
The distance between Rod D and Rod H is 12 m.

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PRACTICE PAPER 2

Section A

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

Section B

11) Three hundred and ninety-eight

12) 4

13) 5

14) 8

15) 7

16) 9.30 a.m

17) 8

18) Container C, Container B and Container A

19) 5

20) $2

21) $\frac{6}{11}$

22) 6 l

23) 27 pens

24) $50

25) 90 kg

26) 15

27) 224

28) 29 litres

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Section C

29) (a) 642 – 425 = 217
Mr Lee sold 217 blue balloons.

(b) 425 – 217 = 208
Mr Lee sold 208 more green balloons than blue ballons.

30) 305 + 128 = 433
433 – 46 = 387
The length of Rope X is m cm.

31) (a) 4 x 9 = 36
Jacob saved $36 in 9 days.

(b) 35 ÷ 7 = 5
Amy saved $5 each day.

32) (a) 534 – 76 = 458
Tracy has 458 beads now.

(b 8 ÷ 6 = 3
Tracy made 3 bracelets.

End

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