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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2017)

PRIMARY 3

MATHEMATICS

Booklet A

Tuesday

31 October 2017

1 h 45 min

Name: _____ () Class: 3.()

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 There are 20 questions in this booklet.
- 4 Answer ALL questions.
- 5 Shade your answers in the Optical Answer Sheet (OAS) provided.

This question paper consists of 9 printed pages (inclusive of cover page).

Section A

Questions 1 to 20 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (40 marks)

1. 3065 is the same as $3000 + \underline{\hspace{2cm}} + 5$.

- 1) 6
- 2) 60
- 3) 600
- 4) 6000

2. Which of the following has the greatest value?

- 1) $36 + 6$
- 2) $45 + 9$
- 3) $63 + 7$
- 4) $64 + 8$

3. The product of 657 and 5 is $\underline{\hspace{2cm}}$.

- 1) 3055
- 2) 3085
- 3) 3255
- 4) 3285

4. How many minutes are there in 2 hours 48 minutes?

- 1) 48 min
- 2) 68 min
- 3) 168 min
- 4) 248 min

5. Which of the following is the same as 8063 g?

- 1) 8 kg 63 g
- 2) 8 kg 603 g
- 3) 80 kg 63 g
- 4) 80 kg 603 g

6. What is the difference between $\frac{2}{3}$ and $\frac{5}{12}$?

- 1) $\frac{1}{3}$
- 2) $\frac{1}{4}$
- 3) $\frac{1}{5}$
- 4) $\frac{7}{15}$

7. 1740 and 30 tens make _____.

- 1) 1710
- 2) 1743
- 3) 1770
- 4) 2040

8. $\square + 8 = 24 \text{ R } 7$.

What is the missing number?

- 1) 168
- 2) 185
- 3) 192
- 4) 199

9. Find the digits represented by A and B.

$$\begin{array}{r} 37A7 \\ + B479 \\ \hline 8266 \\ \hline \end{array}$$

- 1) A = 8, B = 4
- 2) A = 8, B = 5
- 3) A = 9, B = 4
- 4) A = 9, B = 5

10. Complete the following number pattern.

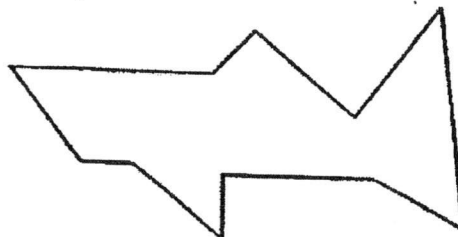
354, 554, 754, _____, _____, 1354, 1554

- 1) 854, 1054
- 2) 854, 1154
- 3) 954, 1054
- 4) 954, 1154

11. Which of the following fractions is not an equivalent fraction of $\frac{3}{5}$?

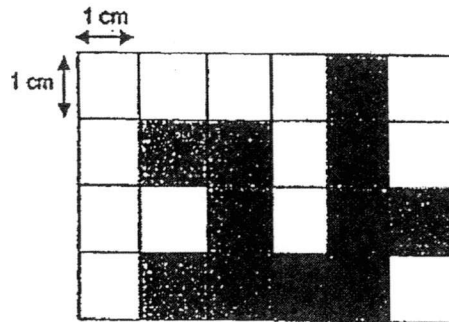
- 1) $\frac{5}{10}$
- 2) $\frac{9}{15}$
- 3) $\frac{12}{20}$
- 4) $\frac{15}{25}$

12. Study the figure below. How many angles inside the figure are smaller than a right angle?

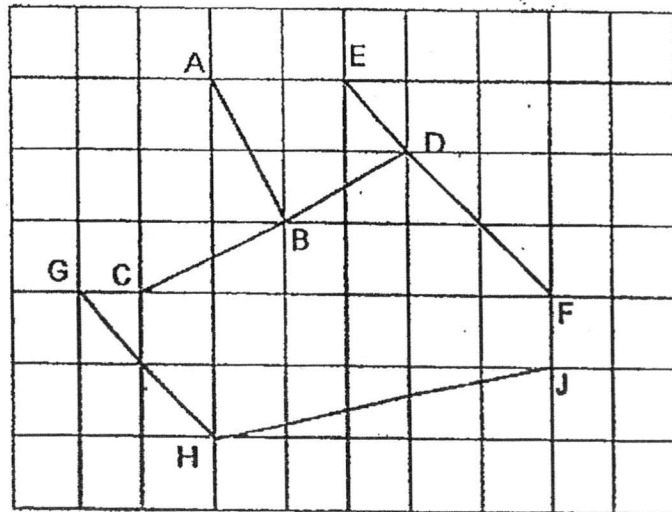


- 1) 7
- 2) 6
- 3) 5
- 4) 4

13. The figure below is made up of 1-cm squares.
Find the perimeter of the shaded figure below.



- 1) 11 cm
 - 2) 12 cm
 - 3) 24 cm
 - 4) 33 cm
14. Study the figure below.



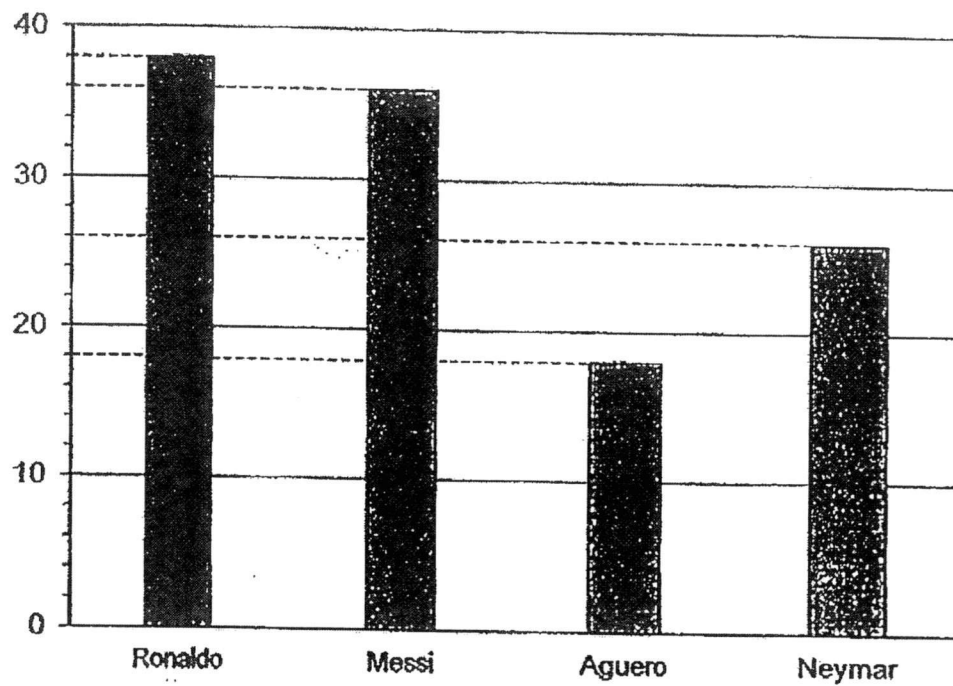
Which of the following statements is true?

- 1) AB is parallel to EF
- 2) CD is parallel to HJ
- 3) AB is perpendicular to CD
- 4) CD is perpendicular to EF

15. A bag cost \$45. The bag cost 3 times as much as a wallet. How much does the bag and the wallet cost altogether?

- 1) \$60
- 2) \$90
- 3) \$135
- 4) \$180

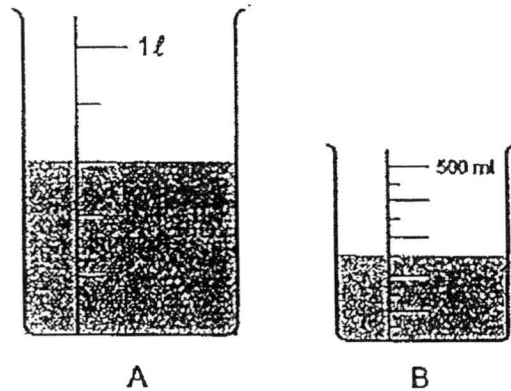
16. The graph below shows the number of goals scored by four professional football players last year.



How many goals did Neymar and Ronaldo score altogether?

- 1) 44
- 2) 58
- 3) 64
- 4) 66

17. Judy had 1 litre of water. She poured some water into Container A and B without spilling. The amount of water in Container A and B is shown below.



How much water had Judy left?

- 1) 150 ml
 - 2) 200 ml
 - 3) 450 ml
 - 4) 600 ml
18. James bought a 45 m long rope. He cut the rope equally into 5 pieces. 3 pieces of the rope were given away. What was the total length of the pieces of rope given away?
- 1) 9 m
 - 2) 18 m
 - 3) 27 m
 - 4) 30 m

19. There were 1067 people at a carnival. 351 of the people were adults and the rest were children. The children were gathered into groups of 4 for games. How many groups of children were there?
- 1) 39
 - 2) 179
 - 3) 218
 - 4) 257
20. Henry had some apples. He threw away 94 rotten apples. He then packed the remaining apples into 8 boxes. Each box contained 55 apples. How many apples did Henry have at first?
- 1) 149
 - 2) 157
 - 3) 346
 - 4) 534

End of Booklet A

Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 2 (2017)

PRIMARY 3 MATHEMATICS

Booklet B

Tuesday

31 October 2017

1 h 45 min

Name: _____ () Class: 3.() Parent's Signature: _____

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 There are 25 questions in this booklet.
- 4 Answer ALL questions.

Section	Possible Marks	Marks Obtained
A	40	
B	40	
C	20	
Total	100	

This question paper consists of 14 printed pages (inclusive of cover page).

Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

21. Write seven thousand, five hundred and three in numerals.

--

22. What is the quotient and remainder when 497 is divided by 4?

Quotient: _____

Remainder: _____

23. Write 984 cm in m and cm.

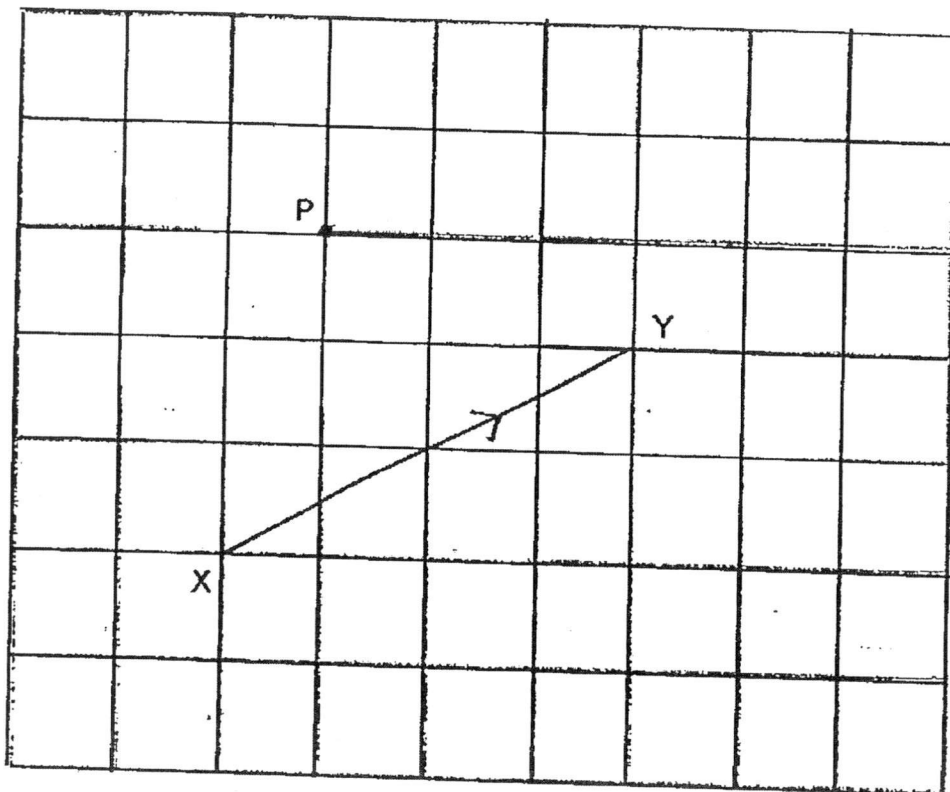
_____ m _____ cm

--

24. What is the value of $\frac{1}{4} + \frac{6}{12}$? Give your answer in its simplest form.

--

25. Using a ruler and a set square, draw a line parallel to XY passing through the point P.



--

26. Kieran took a bus from his house at 9.10 a.m. He alighted from the bus at 10.45 a.m. How long was the bus ride?
Give your answer in hours and minutes.

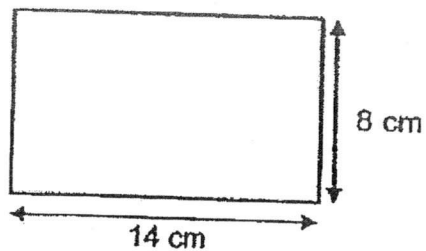
_____ h _____ min

27. Adrian is 1 m 65 cm tall. He is 14 cm taller than Benson.
What is Benson's height? Give your answer in centimetres.

_____ cm

28. Mrs Lim had 768 stamps. All the stamps were shared equally among 6 children. How many stamps did each child get?

29. Find the area of the rectangle below.

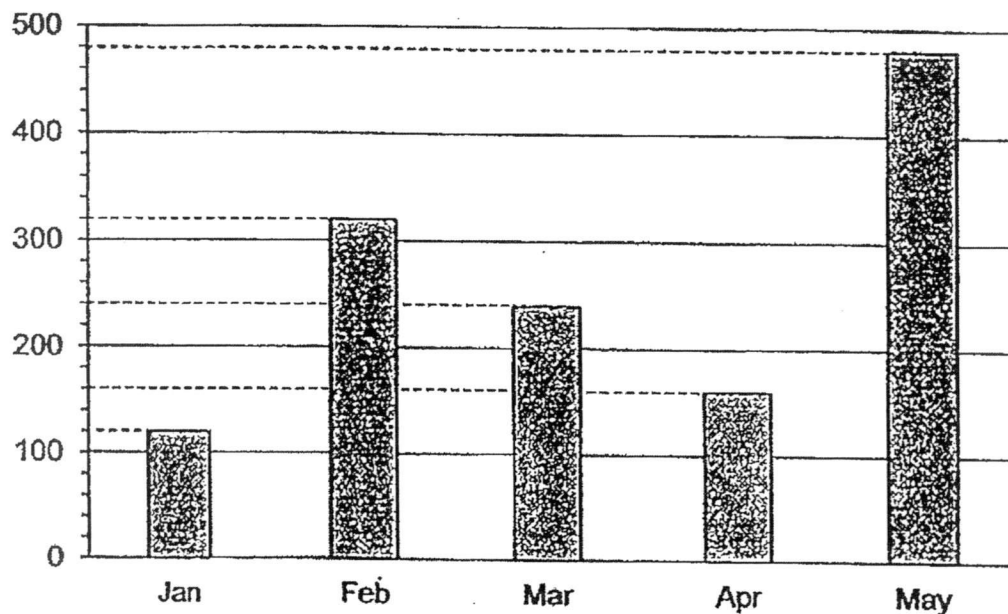


cm^2

30. What is the difference in the value of the digit 7 in 4708 and 5375?

31. The product of 2 numbers is 845. One of the numbers is 5.
What is the other number?

The bar graph below shows the number of cupcakes Mrs Lee sold from January to May. Use the graph to answer questions 32 and 33.



32. In which month did Mrs Lee sell twice as many cupcakes as in March?

33. How many cupcakes did Mrs Lee sell in April and May altogether?

34. The capacity of a pail is 7500 ml. There is 5245 ml of water in the pail. How much more water must be added to fill the pail completely? Give your answer in litres and millilitres.

_____ l _____ ml

35. Daniel works from 8.30 a.m. to 5.30 p.m. every day. He is paid \$4 for an hour of work. How much does Daniel earn every day?

\$ _____

36. There were 132 children at a party. The number of girls was 2 times the number of boys. How many boys were at the party?

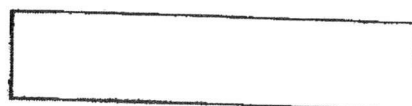
37. Suresh bought a pair of shoes and paid with a fifty-dollar note. He received 2 ten-dollar notes and 3 twenty-cent coins change. How much did Suresh pay for the pair of shoes?

\$

38. The total mass of 3 mangoes and 1 watermelon is 2600 g. The mass of each mango is 350 g. What is the mass of the watermelon? Give your answer in kilograms and grams.

_____ kg _____ g

39. May has some red, blue and yellow beads. She has 44 more red beads than blue beads. She has 68 fewer blue beads than yellow beads. Given that she has 486 yellow beads, how many red beads does she have?



40. Figure A is made up of 2 identical rectangle P. What is the perimeter of figure?

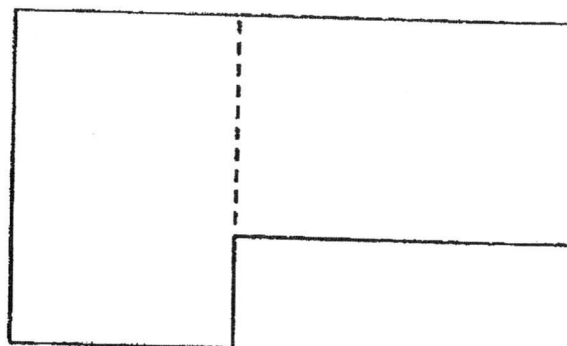
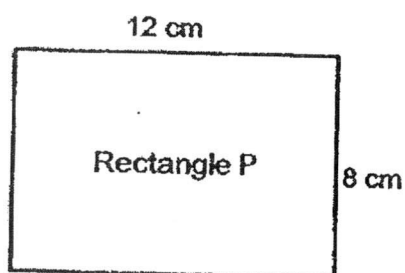
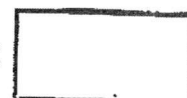
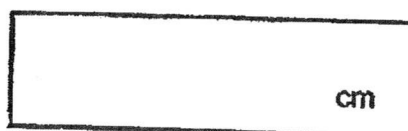


Figure A



Section C

For questions 41 to 45, show your working clearly 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 (20 marks)

41. There are some vehicles at a carpark.
There are 338 motorcycles and 518 cars.

- (a) What is the total number of cars and motorcycles at the carpark?
(b) How many more cars than motorcycles are there at the carpark?

Ans: (a) _____ [2]

(b) _____ [2]

--

42. Jennifer had some buttons at first.
She gave 167 buttons to her friends. She packed the remaining 343
buttons into packets. Each packet contained 7 buttons.

- (a) How many buttons did Jennifer have at first?
(b) How many packets of buttons did she pack?

Ans: (a) _____ [2]

(b) _____ [2]

--

43. Jim sold 2 times as many fidget spinners as Kim.
Lionel sold 2 times as many fidget spinners as Jim.
Kim and Lionel sold a total of 260 fidget spinners.

- (a) How many fidget spinners did Kim sell?
(b) How many fidget spinners did three boys sell altogether?

Ans: (a) _____ [2]

(b) _____ [2]

--

44. Jess went to the book shop to buy some pens and pencils.
Each pen cost \$6 and each pencil cost \$4.
She bought a total of 21 pens and pencils.
She spent \$100 altogether.
How many pens did she buy?

Ans: _____ [4]

--

45. Farmer Alex had 65 more eggs than Farmer Bala at first.
After Farmer Bala sold 19 eggs, Farmer Alex had 4 times as many eggs
as Farmer Bala.

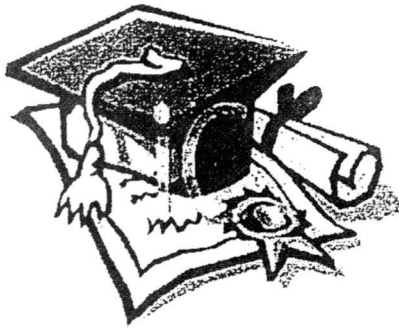
- (a) How many eggs did Farmer Bala have in the end?
(b) How many eggs did the 2 farmers have in total at first?

Ans: (a) _____ [2]

(b) _____ [2]

End of Booklet B

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ANSWER SHEET

EXAM PAPER 2017 (P3)

SCHOOL :ACS

SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	4	3	1	2	4	4	1	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1	4	3	3	1	3	1	3	2	4

21)7503

22)Quotient: 124

23)9 m 84 cm

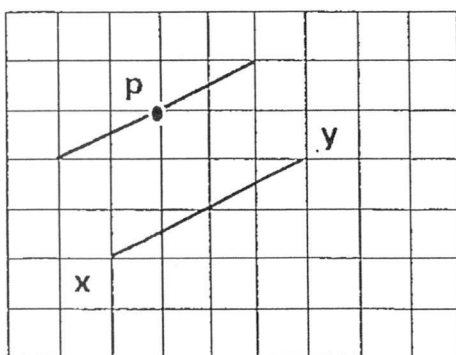
24) $\frac{3}{4}$

Remainder: R1

25)

26)1 h 35 min

27)151 cm



28)128 stamps each

29)112 cm²

30)630

31)169

32)May

33)640

34)2 L 255 ml

35)\$36

36)44

37)\$29.40

38)1 kg 550 g

39)462 red beads

40)64 cm

41)a) $518 + 338 = 856$

The total number of cars and motorcycles is 856

b) $518 - 338 = 180$

There are 180 more cars than motorcycles.

42)a) $343 + 167 = 510$

Jennifer had 510 buttons at first.

b) $343 \div 7 = 49$

She packed 49 packet of buttons.

43)a) $260 \div 5 = 52$

Kim sold 52 fidget spinners.

b) $52 \times 7 = 364$

The three boys sold 364 fidget spinners altogether.

44) $21 \times 4 = 84$

$100 - 84 = 16$

$6 - 4 = 2$

$16 \div 2 = 8$

She bought 8 pens.

45)a) $65 + 19 = 84$

$84 \div 3 = 28$

Farmer Bala have 28 eggs in the end.

b) $28 + 19 = 47$

$84 + 28 = 112$

$112 + 47 = 159$

The 2 farmer have 159 eggs in total at first.