Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2009
MATHEMATICS
PAPER 1 (BOOKLET A)
PRIMARY FIVE

Name: _____ ( ) Class: Primary 5

Date: 30 October 2009 Duration of Booklet A & B: 50min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.
5. You are not allowed to use a calculator.

Questions **1** to **10** carry **1** mark each. Question **11** to **15** carry 2 marks each. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (20 marks)

1. Which of the following has the digit '4' in the hundred thousands place?

   1) 2 064 007
   2) 3 409 147
   3) 4 591 391
   4) 7 342 350

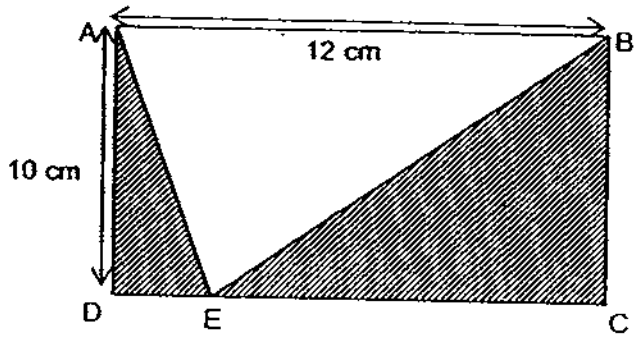
2. Find the value of $35 \div 5 + 2 \times 4 - (2 + 4)$.

   1) 9
   2) 14
   3) 17
   4) 30

3. Express $4\frac{2}{3}$ years in months.

   1) 8
   2) 12
   3) 50
   4) 56

4. ABCD is a rectangle with an area of 120 cm^2. Find the area of the **unshaded** triangle AEB.



1) 22 cm^2
2) 60 cm^2
3) 44 cm^2
4) 120 cm^2

5. What is the missing number in the box?

2 : 11 = 10 : ?

1) 13
2) 19
3) 22
4) 55

6. The area of one side of a cube is 36 cm^2. Find its volume.

1) 36
2) 54
3) 216
4) 1296

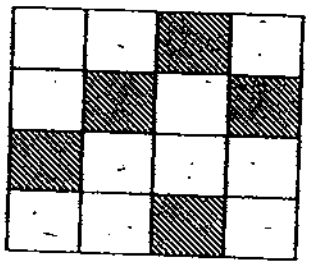
7. How many hundredths are there in 1.3?

1) 1.3
2) 13
3) 130
4) 1300

8. Find the product of 2.32 and 5 and round off your answer to the nearest whole number.

1) 11
2) 12
3) 116
4) 120

9. The figure below is divided into equal parts. How many **more** equal parts must be shaded to show that 75% of the whole figure is shaded?

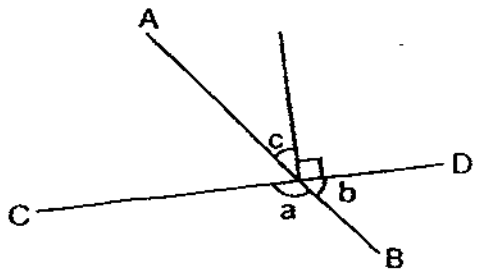


1) 5
2) 7
3) 11
4) 12

10. Albert sold an average of 40 copies of newspapers per day from Monday to Friday and an average of 68 copies per day on Saturday and Sunday. Find the average number of copies he sold per day for the whole week.

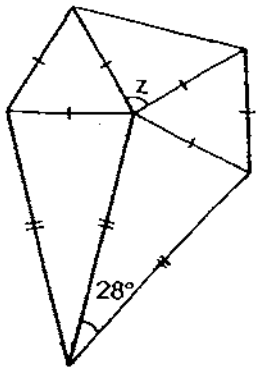
1) 28
2) 48
3) 108
4) 336

11. AB and CD are straight lines. ∠a is twice that of ∠b. Find ∠c.



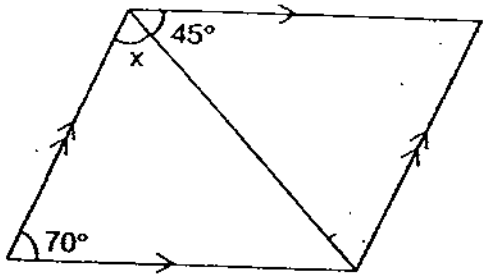
1) 30°
2) 45°
3) 60°
4) 90°

12. The figure below is not drawn to scale. Find ∠z.



1) 60°
2) 88°
3) 90°
4) 152°

13. The figure below is a parallelogram and is not drawn to scale. Find $\angle x$.



1) 25°
2) 45°
3) 65°
4) 110°

14. A printer can print 15 pages in 2 minutes. At this rate, how long will it take to print 100 pages?

1) 13.3 s
2) 18 s
3) 750 s
4) 800 s

15. The following figures are made up of squares.

Fig. 1

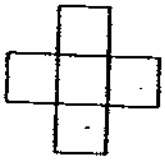


Fig. 2

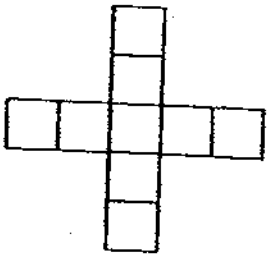


Fig. 3

How many squares will there be in Fig. 10?

1) 35
2) 36
3) 37
4) 40

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2009
MATHEMATICS
PAPER 1 (BOOKLET B)
PRIMARY FIVE

Name: _____ ( ) Class: Primary 5

Date: 30 October 2009 Duration of Paper ~~Booklet A & B~~: 50 min

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 9 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. You are not allowed to use a calculator.

Paper 1 Booklet A. Multiple-Choice Questions	20	
Paper 1 Booklet B. Short answers: Part 1	10	
Paper 1 Booklet B. Short answers: Part 2	10	
Total Marks	40	

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary. (10 marks)

16. John has a piece of rope which is 40 m long. He cuts it into smaller equal pieces, each measuring 125 cm long. How many smaller pieces of rope will John get?

Answer: _____

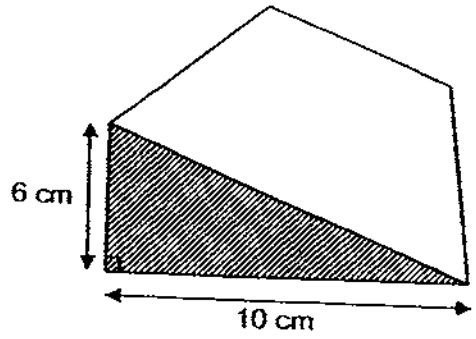
17. Mrs Lee is $1\frac{1}{3}$ times as heavy as her son. If her son is 42 kg, find the mass of Mrs Lee.

Answer: _____ kg

18. Express 13.096 as a fraction.

Answer: _____

19. Look at the figure below.



If the area of the shaded part of the figure is $\frac{1}{3}$ of the area of the entire figure, find the area of the unshaded part.

Answer: _____ cm^2

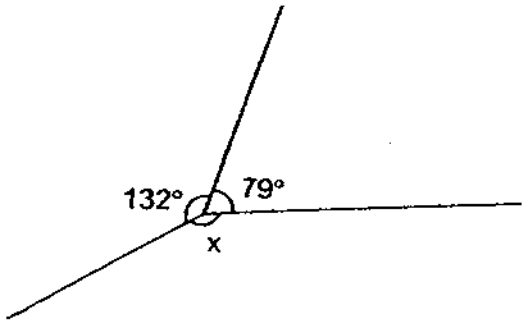
20. 500g of flour is sold at the price of $4. How much does Miss Woo have to pay if she needs 3 kg of flour?

Answer: $ _____

21. Find the sum of $5\frac{2}{3}$ and $3\frac{7}{8}$.

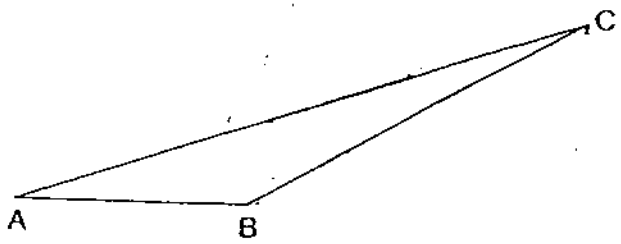
Answer: _____

22. The figure below is not drawn to scale. Find $\angle x$.

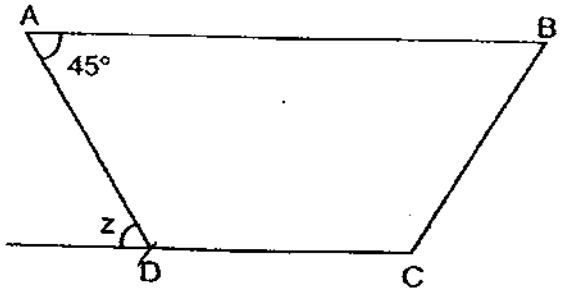


Answer: _____ °

23. In the figure below, if AB is the base of the triangle, by constructing lines, show the height of the triangle. Label the height as 'h'.



24. In the figure below, ABCD is a trapezium. Find $\angle z$.



Answer: _____ °

25. Usain Bolt ran the 100 m race in the world record time of 9.58 s. How long will he take to run 150 m if he runs at this rate?

Answer: _____ s

Questions **26** to **30** carry 2 marks each. Show all mathematical statements clearly in the space below each question and write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary.

(10 marks)

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26. A bottle contains 2.5*l* of orange juice. Mrs Cheong keeps 1*l* 300*ml* in the refrigerator and gives the remainder equally to her 3 children. How much orange juice does each child get?

Answer: _____ ml

27. Andy spent 0.5 of his money and Peter spent 0.1 of his money. Each of them then had the same amount of money left. If Peter had $81 left, how much money did they spend altogether?

Answer: $ _____

28. In a class, 8 pupils out of 41 pupils did not complete their class project. 1 week later, 3 more pupils joined in the class and they did not have enough time to finish the project. In total, what percentage of the pupils did not complete their project?

Answer: _____ %

29. The average height of 3 girls is 1.45 m. Joyce is 5 cm taller than Kimberly and 8 cm shorter than May. Find Joyce's height.

Answer: _____ m

30. Find the sum of all odd numbers from 1 to 100.

Answer: _____

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2009
MATHEMATICS
PAPER 2
PRIMARY FIVE

Name: _____ ( ) **Class: Primary 5** ___

Date: 30 October 2009 **Duration of Paper 2: 1h 40min**

_____
Parent's/Guardian's signature

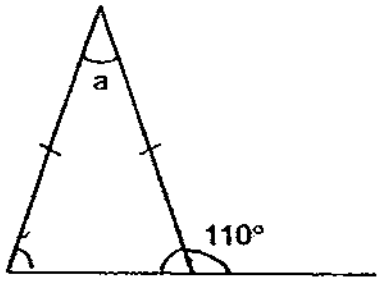
INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 15 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. You are allowed to use a calculator.

Paper 2 **Section B. Short answers part 2**	10	
Paper 2 **Section C. Problem Sums**	50	
Total Marks	60	

Questions 1 to 5 carry 2 marks each. Show your mathematical statements clearly in the space provided for each question and write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary. (10 marks)

1. The figure below is not drawn to scale. Find $\angle a$.



Answer: _____°

2. Farmer Lee bought 2 horses and 3 cows for $5 400. Each horse cost $600 more than a cow. How much did Farmer Lee pay for a cow?

Answer: $_____

3. Jane had some apples. She gave $\frac{1}{2}$ of the apples to her uncle and $\frac{1}{3}$ of the remainder to her brother. Then she shared the rest of her apples with her 2 sisters. If each of the girls received 10 apples, how many apples did Jane have at first?

Answer: _____

4. A shopkeeper packed 13.55 kg of sugar equally into packets containing 2 kg each. 1550 g of sugar was left over. How many packets of sugar have been packed?

Answer: _____

5. William saves 10% of his salary. When his salary was increased by 10%, his savings rose proportionately to $165. What was his original salary?

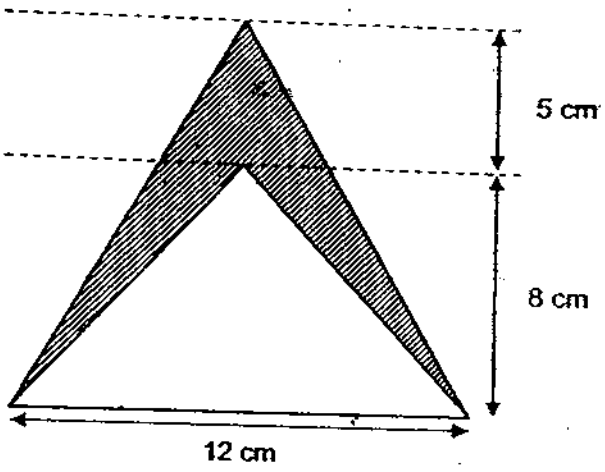
Answer: $_____

For questions **6** to **18**, show your steps 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.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

6. 275 participants attended a workshop. After the lunch break, $\frac{1}{3}$ of the male participants and $\frac{1}{5}$ of the female participants left the workshop. There was an equal number of male and female participants remained in the workshop after the lunch break. How many participants left the workshop after the lunch break?

Answer: _____ [3]

7. The figure below, not drawn to scale, is made up of 2 triangles of different sizes. Find the area of the shaded region.



Answer: _____[3]

8. Joel has 3 types of fruits, namely apples, bananas and oranges. The ratio of the number of the apples to the total number of the 3 fruits is 1: 4. There are 30 apples and half as many bananas as oranges. How many oranges does Joel have?

Answer: _____[3]

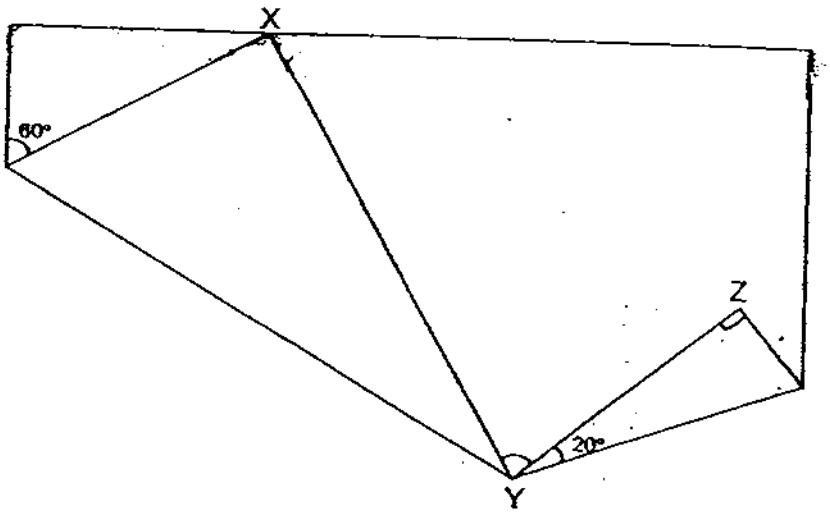
9. A kettle, with the capacity of 0.8 *l*, is filled to its brim with water. A pail, with 3 times the capacity of the kettle, is half-filled with water. The water in both the kettle and the pail is emptied into a fish tank with a base area of 250 cm^2. Find the height of the water in the fish tank.

Answer: _____[3]

10. Mr John used a 50-dollar note to pay for 16 litres of petrol which cost $1.63 per litre. How much change did he get? (Round off the amount of money to the nearest 10 cents)

Answer: _____[3]

11. In the figure below, a rectangular piece of paper is folded at two of its corners X and Z as shown. Find $\angle XYZ$.



Answer: _____ [4]

12. For every dollar William saved, Sean saved 40 cents.

(a) If Sean saved $6.40 at the end of a period, how much money did William save?

(b) If William saved $15 more than Sean, how much did Sean save?

Answer: (a) _____ [1]

(b) _____ [3]

13. Mr Indra is 48 years old and his son is 14 years old now. How many years later will Mr Indra be twice the age of his son?

Answer: _____ [4] (3]

14. In a small group of remedial class, there are 3 pupils, Adam, Brian and Caleb. The average mark of a Mathematics test of Adam and Brian is 56 marks and Brian and Caleb is 71 marks. The total mark for Adam and Caleb is 122 marks. How many marks does Brian score?

Answer: _____ [4]

15. A pet shop owner bought some cans of dog food. He divided the dog food equally among his dogs.
If he bought 7 cans for each dog, he would have bought 4 extra cans.
If he bought 11 cans for each dog, he would need 28 more cans.

(a) How many dogs were there in the pet shop?

(b) How many cans did the owner buy?

Answer: (a) _____ [4] [4]

(b) _____ [1]

16. The table below shows the car park rates of a shopping centre.

Duration of Parking	Parking Rates
Weekdays	
8 a.m. – 6 p.m.:	
First hour	$1.15
Every additional half hour or less	$0.90
6 p.m. – 8 a.m.:	
Per entry payment (need to pay this amount regardless of duration)	$4.00

(a) Ahmad works in the shopping centre and parks his car there everyday from Monday to Friday from 10.45 a.m. to 9.15 p.m. How much car park charges does he pay in the week?

(b) Ahmad sells watches in his shop. A customer wants to buy a watch which costs Singapore Dollar S$109, but he only has Malaysia Ringgit (RM). Given that the exchange rate is S$1 to RM2.45, how much Malaysia Ringgit must the customer pay Ahmad for the watch?

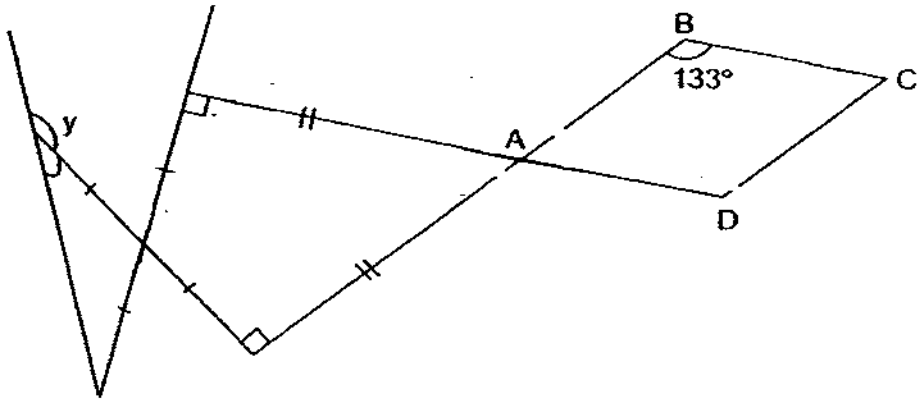
Answer: (a) _____ [4]

(b) _____ [1]

17. Mr Cheng sold golf balls in packs of six. The selling price of each pack of golf balls was $22. He sold 60% of his golf balls at $22 per pack and the rest at a discount of 50%. He collected $2640 from the sale of all the golf balls. How many golf balls did he sell altogether?

Answer: _____ [5]

18. In the figure below, ABCD is a rhombus. Find $\angle y$.



Answer: _____[5]

End of Paper 2

ANSWER SHEET

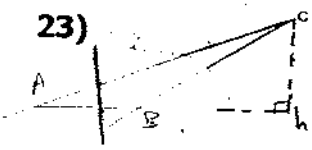
EXAM PAPER 2009

SCHOOL : ACS PRIMARY
SUBJECT : PRIMARY 5MATHEMATICS

TERM : SA2

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

16)32 **17)56kg** **18)$13\frac{12}{125}$** **19)60cm^2** **20)$24**

21)$9\frac{13}{24}$ **22)149°** **23)**  **24)45°** **25)14.37s**

26)400ml **27)$90** **28)25%** **29)1.44m**

30)2500

Paper 2

1)180° -110° =70° **70° x2=140°** **180° -140° =40°**	**2)5400-(600x2)=4200** **4200÷5=$840**
3)10x3=30 **30÷2=15** **15x6=90**	**4)6 packets**
5)$1500	**6)275÷11=25** **25x3=75**
7)12x8x ½ =48 **12x13x ½ =78** **78-48=30cm^2**	**8)60**
9)8cm	**10)$23.90**

11)180-90-60=30 180-90-70=20 180-90-30=60 180-30-30-20-20=80°	12)a)$16 b)$10
13)20 years time	14)56x2=112 71x2=142 142+112=254 254-122=132 132÷2=66
15)a)8 dogs b)60 cans	16)a)$84.25 b)RM 267.05
17)900	18)360-(133x2)=94 94÷2=47 360-90-90-47=133 180-133=47 47÷2=23.50 180-23.50=156.50