

# Attainment Test II (5A Mathematics)

Name :

Date :

Class :  (  )

Mark :  /42

Time limit :

30 minutes

## Section A: MC Questions (26 marks)

Choose the correct answer. Write down the letter preceding selected answer in box.

1.  $1\frac{3}{4} \times \frac{4}{5} \times \frac{5}{8} = ?$

A.  $\frac{7}{8}$

B.  $\frac{9}{10}$

C.  $\frac{37}{40}$

D.  $1\frac{7}{8}$

2. The florist sold 105 bouquets.  $\frac{3}{7}$  of them were roses. How many bouquets of rose did it sell?

A. 60

B. 55

C. 50

D. 45

3. A bracelet weighs  $98\frac{1}{4}$  g. How much do a dozen bracelets weigh?

A.  $196\frac{1}{2}$  g

B. 393g

C. 1179g

D. 1186g

4. It takes Carrie  $4\frac{3}{5}$  minutes to run 1 lap. How many minutes does it take her to run  $1\frac{1}{4}$  laps?

A.  $4\frac{3}{20}$  minutes

B. 5 minutes

C.  $5\frac{3}{5}$  minutes

D.  $5\frac{3}{4}$  minutes

5. There are 200 rooms in a hotel.  $\frac{3}{4}$  of the rooms were occupied yesterday and  $\frac{5}{6}$  of the occupied room yesterday had been checked out today. How many rooms had been checked out?

A. 180

B. 150

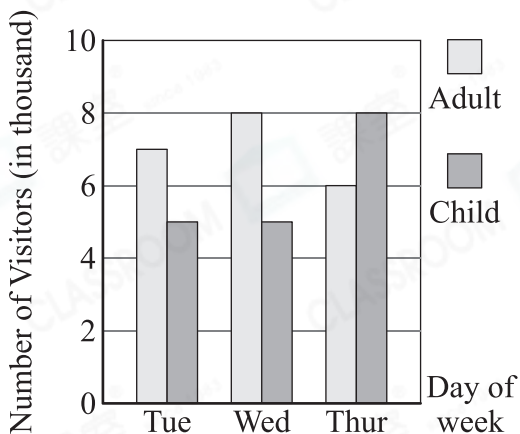
C. 145

D. 125

6. A jogging track is  $9\frac{1}{2}$  km long.  
Kenny has already run half of it.  
How far has he run?

- A.  $9\frac{1}{5}$  km
- B.  $5\frac{7}{10}$  km
- C.  $4\frac{3}{4}$  km
- D.  $3\frac{4}{5}$  km

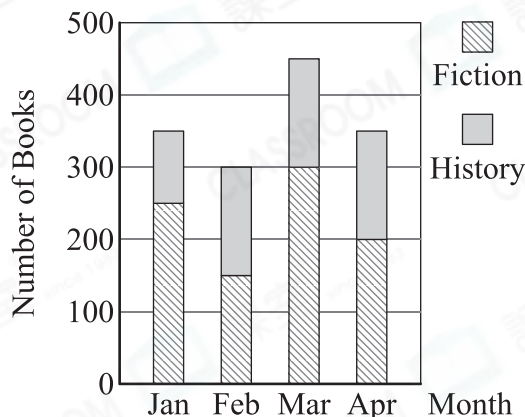
7. Number of Visitors to the Theme Park from Tuesday to Thursday



According to the chart above,  
which of the following is correct?

- A. Adult visitors were more than child visitors on each day.
- B. Total number of child visitors on Tuesday and Wednesday is less than that of adult visitors.
- C. There were 1500 fewer adult visitors than child visitors on Thursday.
- D. There were 14000 visitors on Wednesday.

8. Number of Two Types of Books Sold from January to April



From the chart above, in which month is the number of history books sold half as that of fiction books sold?

- A. January
- B. February
- C. March
- D. April

9. May has 32 stamps, which is  $y$  stamps fewer than that Anna has. If Anna gives 8 stamps to May, how many stamps will Anna have?

- A.  $24 + y$
- B.  $40 + y$
- C.  $24 - y$
- D.  $40 - y$

10. If  $s - 9 = 81$ , then  $3s = ?$

- A. 90
- B. 180
- C. 243
- D. 270

11. Sue shares a pack of candies with 3 friends. If there are  $P$  candies in a pack of candies, how many candies can each of them get?

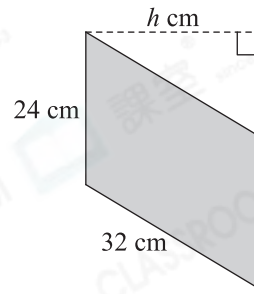
- A.  $4P$
- B.  $3P$
- C.  $\frac{P}{4}$
- D.  $\frac{P}{3}$

12. Study the expression and find the result of  $S \times D$ .

$$\begin{array}{r} \boxed{9} \boxed{D} \\ - \boxed{S} \boxed{7} \\ \hline \boxed{2} \boxed{5} \end{array}$$

- A. 8
- B. 12
- C. 14
- D. 21

13.



A parallelogram is shown in the above figure. Its area is  $672 \text{ cm}^2$ . Which of the following equations can be used to find the value of  $h$ ?

- A.  $\frac{h}{24} = 672$
- B.  $h + 32 = 672$
- C.  $24h = 672$
- D.  $32h = 672$

### Section B: Short answer and conventional questions (16 marks)

Unless otherwise specified, workings must be shown when answering this part.

14. A comic book has 90 pages. Kevin read  $\frac{4}{9}$  of the comic book on Saturday and  $\frac{1}{3}$  of it on Sunday. The number of pages he read on Monday is  $\frac{3}{8}$  of that of Saturday. Which day did he read the least pages? Explain. [4 marks]

Answer: Because \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Kevin read the least pages on \_\_\_\_\_.

15. There are 405 visitors to Music Carnival.  $\frac{2}{9}$  of them were children,  $\frac{2}{3}$  of them were adults and the rest were elderly.

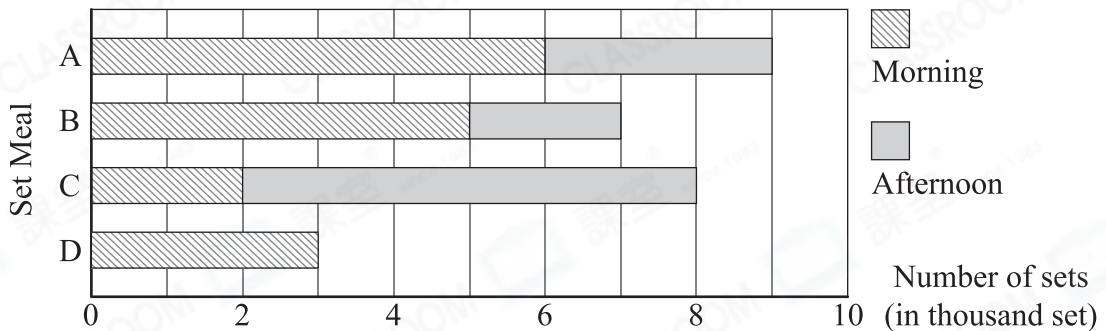
(a) How many adult visitors were there? (Give the answer only) [2 marks]

Answer: \_\_\_\_\_

(b) The admission fee for each child was \$98. What was the total admission fee for all children visitors? (Give the answer only) [2 marks]

Answer: \$ \_\_\_\_\_

16. Number of Set Meal Sold in a Fast Food Shop



(a) 6000 sets of set D were sold in the afternoon. Draw the bar representing the sales of set D in the afternoon on the chart. [2 marks]

(b) Which set had the least sales? How many sets of that set were sold? (Give the answer only) [2 marks]

Answer: Set \_\_\_\_\_ had the least sales. \_\_\_\_\_ sets were sold.

17. 5 large trucks and 1 small truck together can carry at most 352 boxes of goods at the same time. How many boxes of goods can each small truck carry? (Use equation to solve the problem and show your working) [4 marks]



Truck Type	Maximum Capacity
Large	64 boxes
Small	$x$ boxes

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