



HKEAA'S USE ONLY

6 M E 2

Education Bureau
Territory-wide System Assessment 2020
Primary 6
Mathematics

CANCELLED

Gainful Use of TSA 2020 Materials

Instructions:

1. There are 47 questions in this test. Answer all questions.
2. Estimated time for completion is 55 minutes.
3. Write your answers in this Question-Answer Booklet.
4. Do not write in the margins.
5. Use of calculators is not allowed.
6. Do your rough work on rough work sheet.
7. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:

- (a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil**.
For example:

- ☒ A
☐ B
☐ C
☐ D

- (b) Other types of questions – Answer as required in the spaces provided.

School Code
學校編號

| | | | |
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| P | | | |
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Class
班別

| | |
|---|--|
| 6 | |
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Class No.
班號

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此格只許填寫一個大楷英文字母
Write one **capital letter** in this box

◆ 2020 年小六全港性系統評估是學校以自願形式參與，而非全體小六學生參與的全港性系統評估。
School participation in the 2020 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

1. In the number 63 184, the value of the digit '3' is _____ .
(Give the answer in Arabic numerals)
2. Arrange the following numbers from the largest to the smallest.

9 512 , 9 215 , 10 295

Answer: _____ , _____ , _____
(Largest) (Smallest)

3. Which of the following numbers is a factor of 32?
- ☐ A. 64
 - ☐ B. 32
 - ☐ C. 18
 - ☐ D. 6
4. Which of the following numbers are all the common factors of 6 and 9?
- ☐ A. 1, 2, 3, 6, 9
 - ☐ B. 1, 3
 - ☐ C. 1, 6, 9
 - ☐ D. 18, 36

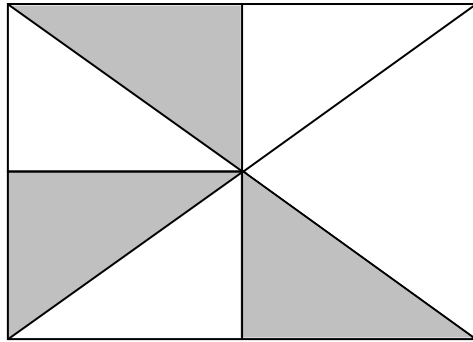
Please do not write in the margin.

5. List the first three common multiples of 4 and 10.

Answer: _____ , _____ , _____

6. The Highest Common Factor (H.C.F.) of 14 and 21
is _____ .

7. What fraction of the whole figure below is shaded?



Answer: of the whole figure is shaded.

8. Which of the following fractions is the smallest?
(Circle the answer)

$$\frac{4}{5} \quad , \quad \frac{5}{7} \quad , \quad \frac{16}{21}$$

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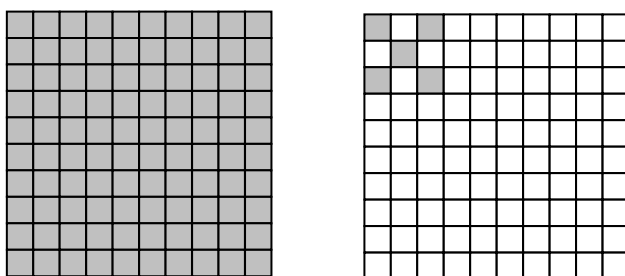
9. (a) Change $8\frac{3}{10}$ into an improper fraction.

Answer:

- (b) Fill in the box with a correct number.

$$\frac{18}{72} = \frac{2}{\boxed{}}$$

10.



There are two large squares in the diagram above. Each large square stands for 1.

Use a decimal to represent the shaded part in the diagram.

- ☐ A. 105
- ☐ B. 1.5
- ☐ C. 1.05
- ☐ D. 0.105

Please do not write in the margin.

Please do not write in the margin.

11. Which of the following numbers has the digit '0' in its tenths place?

- ☐ A. 1.034
- ☐ B. 3.104
- ☐ C. 10.34
- ☐ D. 3 104

12. In the number 0.287, what is the value of the digit '7'?

- ☐ A. $\frac{7}{1000}$
- ☐ B. $\frac{7}{100}$
- ☐ C. $\frac{7}{10}$
- ☐ D. 7

13. Change 1.8 into a fraction and reduce it to the simplest form.

Answer:

Please do not write in the margin.

14. $(216 - 48) \div 3 = \underline{\hspace{2cm}}$

15. $18 + 612 \div 6 =$

☐ A. 30

☐ B. 102

☐ C. 105

☐ D. 120

16. $2\frac{3}{8} - \frac{5}{8} + 3\frac{1}{8} =$

17. $\frac{5}{6} \div 15 \times 2\frac{1}{4} =$

18. $0.92 \div 0.4 = \underline{\hspace{2cm}}$

19. $2 \div (1.23 + 0.67) = \underline{\hspace{2cm}}$

(Round the answer to two decimal places)

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Please do not write in the margin.

Please do not write in the margin.

20. Each packet of flour weighs $1\frac{1}{2}$ kg. Mrs Chan used $1\frac{3}{5}$ packets of flour to make some cakes. She used kg of flour.

21. Tying up a bunch of flowers requires $\frac{7}{10}$ metre of ribbon. Now there are $8\frac{2}{5}$ metres of ribbon. At most, they can be used to tie up bunches of flowers.

22. A bottle contains 2 litres of juice. After Mike drank $\frac{1}{3}$ bottle of it, litre(s) of juice were left.

23. (a) Change 7.5% into a fraction and reduce it to the simplest form.

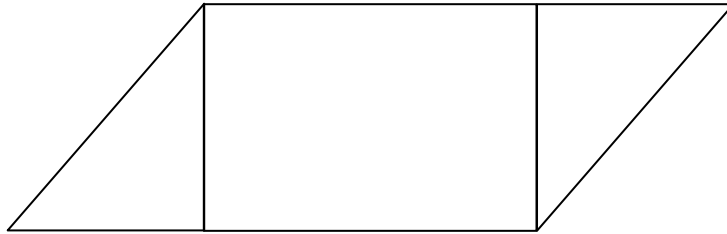
Answer:



- (b) Change 0.8 into a percentage.

Answer: _____ %

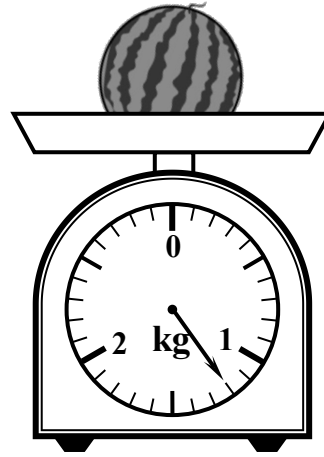
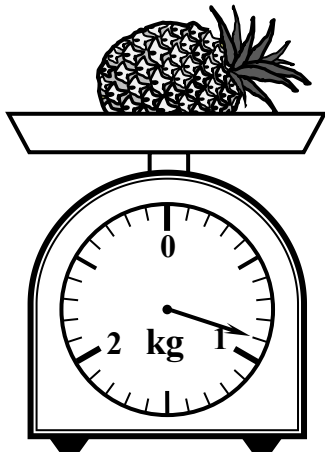
24.

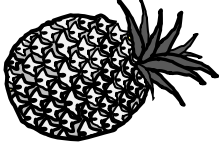

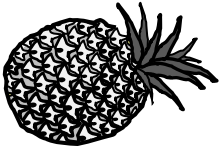



The parallelogram above is formed by two triangles with the same size and a rectangle. The area of the parallelogram is 21 cm^2 . The area of each triangle is 3.9 cm^2 . The area of the rectangle is _____ cm^2 .

25. There are 20 cartons of drinks on the table. 40% of them are juice. 25% of them are milk. There are _____ cartons of juice and milk altogether.

26.



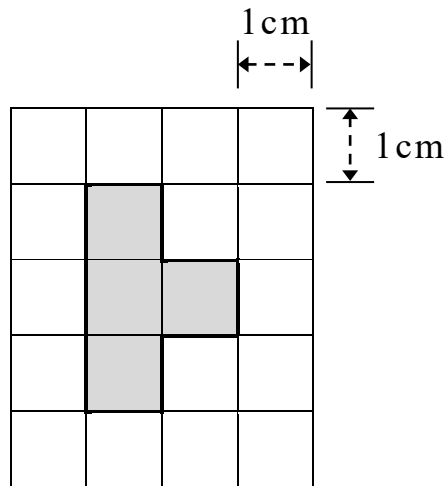
- (a)  weighs _____ g.
- (b)  weighs _____ kg.
- (c)  is _____ g * lighter / heavier
than .

(*Circle the answer)

Please do not write in the margin.

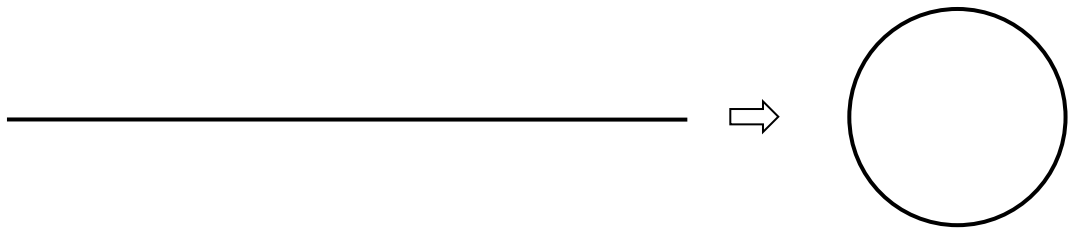
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27. In the following diagram, the side of each square is 1 cm.



The perimeter of the shaded part is _____ cm.

- 28.



An iron wire 12 cm long is bent into a circular coil. The diameter of the coil is about

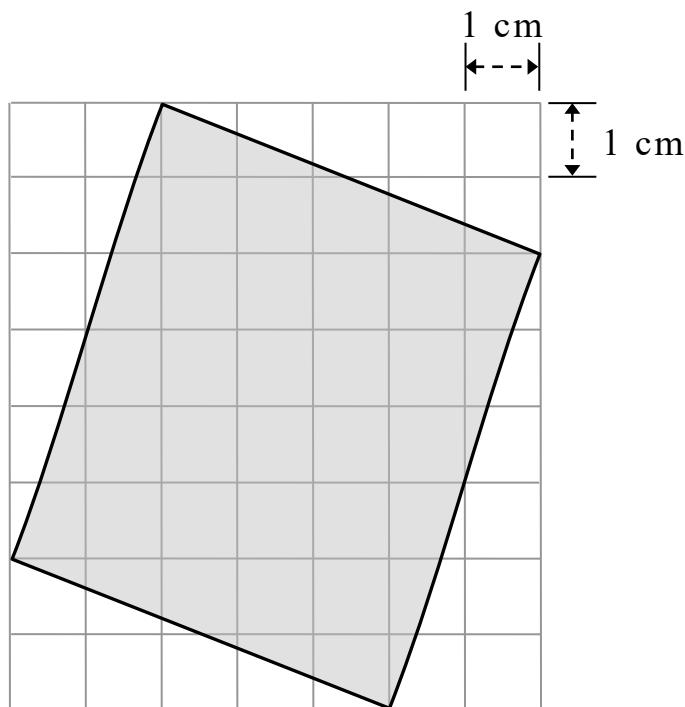
- ☐ A. 2 cm.
- ☐ B. 3 cm.
- ☐ C. 4 cm.
- ☐ D. 36 cm.

29. Fill in the following blanks with suitable units.

(a) An adult is about 1.7 _____ tall.

(b) The capacity of a bowl is about 250 _____ .

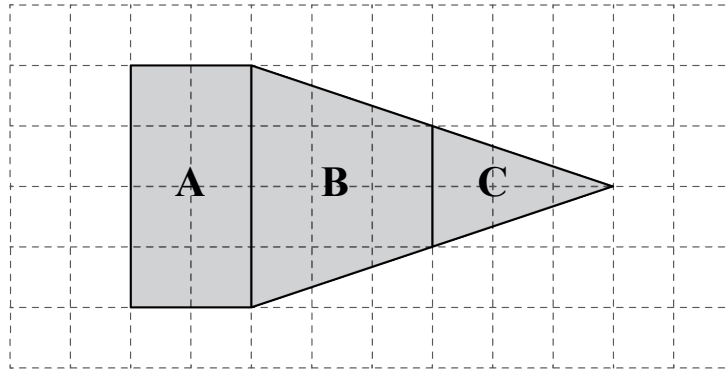
30. In the following diagram, the side of each square is 1 cm.



The area of the shaded part is about _____ cm^2 .

(Give the answer as a whole number)

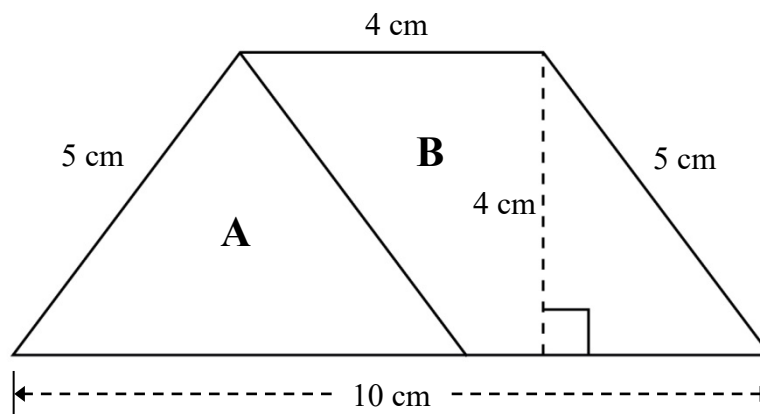
31.



Compare the areas of the 2-D shapes **A**, **B** and **C** above. Arrange them from the smallest to the largest. Write all the letters for the answers.

Answer: _____ , _____ , _____
(Smallest) (Largest)

32.



The trapezium above is formed by a triangle **A** and a parallelogram **B**.

(a) **A** is
* a right-angled / an isosceles / an equilateral
triangle. (*Circle the answer)

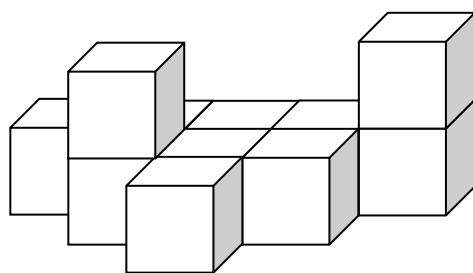
(b) The area of the trapezium is _____ cm^2 .

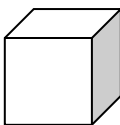
33. Peter rode a bicycle to finish a bicycle trail of 6 km in 0.4 hour. Peter's average cycling speed was _____ km/h.

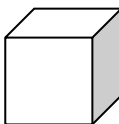
34. Which of the following 2-D shapes has opposite sides equal and four right angles?

- ☐ A. Rhombus
- ☐ B. Parallelogram
- ☐ C. Rectangle
- ☐ D. Trapezium

35.

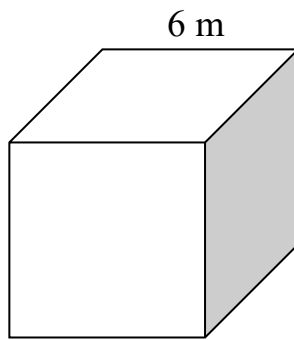


The solid above is made up of  .

The volume of each  is 1 cm^3 .

The volume of the solid is _____ cm^3 .

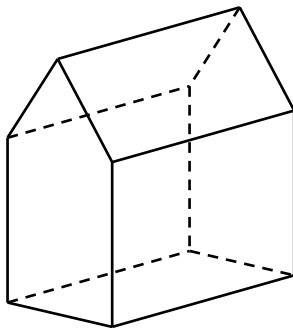
36.



The volume of the cube above is

- ☐ A. 18 m^3 .
- ☐ B. 24 m^3 .
- ☐ C. 36 m^3 .
- ☐ D. 216 m^3 .

37.

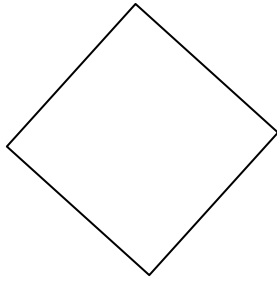


The figure above is a * pyramid / prism .

(*Circle the answer)

It has _____ edges.

38.



The figure above is a

* trapezium / rectangle / square .

(*Circle the answer)

It has _____ pair(s) of opposite sides parallel.

39. Vincent has 80 dollars. He spends k dollars every day. After 6 days, how much money does he have left?

- ☐ A. $80 - k - 6$
- ☐ B. $80 - 6k$
- ☐ C. $(80 - k) \times 6$
- ☐ D. $6k - 80$

40. Which of the following is an equation?

- ☐ A. $\frac{w}{4} - 3 = 1$
- ☐ B. $4w + 1 - 3$
- ☐ C. $4 - 3 = 1$
- ☐ D. 413

41. $10x + 3 = 8$

$x =$

42. $3w - 0.4 = 5.6$

$w =$

43. A number minus 5 is divided by 3. The result is 4.
Find the number by *the method of solving an equation*.

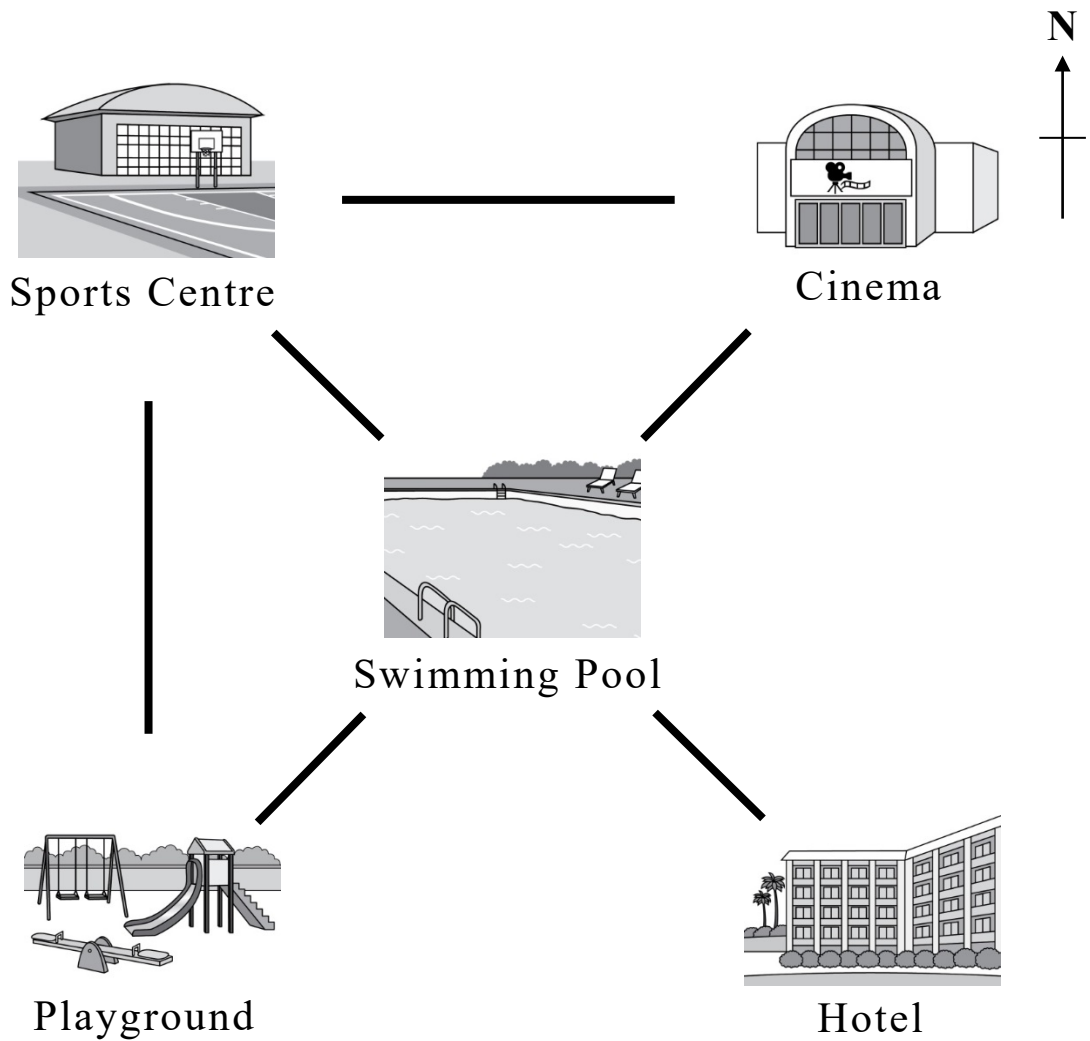
The number is _____ .

44. Find the average of the five numbers below.

24 , 40.5 , 45.5 , 52.1 , 52.9

Answer: The average is _____ .

45. The map of a resort is shown below.




(a) Starting from Swimming Pool, Sam goes south-east to reach _____ .

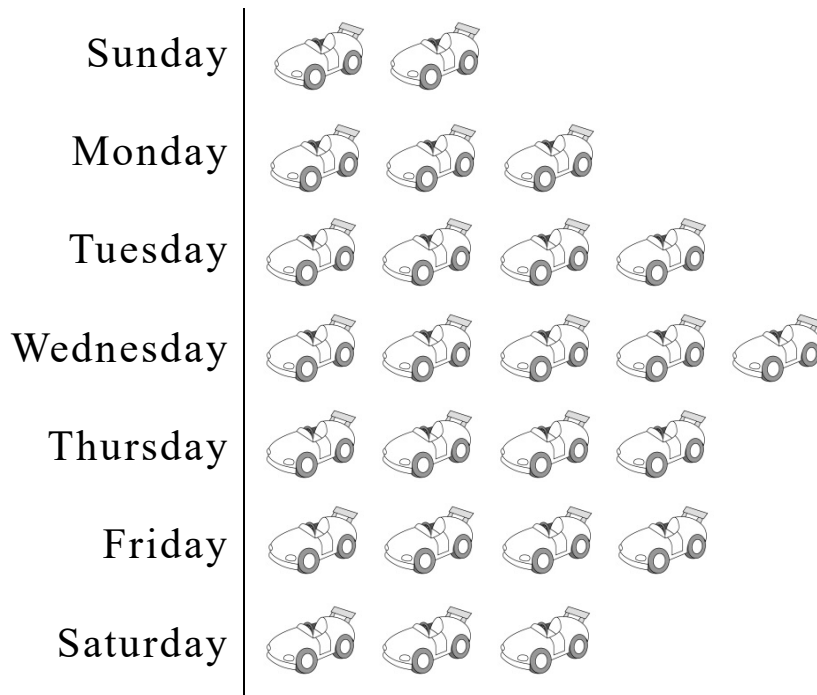
(b) To the _____ of Playground is Sports Centre.
(direction)

(c) Sports Centre is to the _____ of Cinema.
(direction)

46. The following pictogram shows the number of vehicles passing through City Bridge last week.

**Number of Vehicles
Passing through City Bridge Last Week**

Each  stands for 1 000 vehicles



- (a) The number of vehicles passing through City Bridge

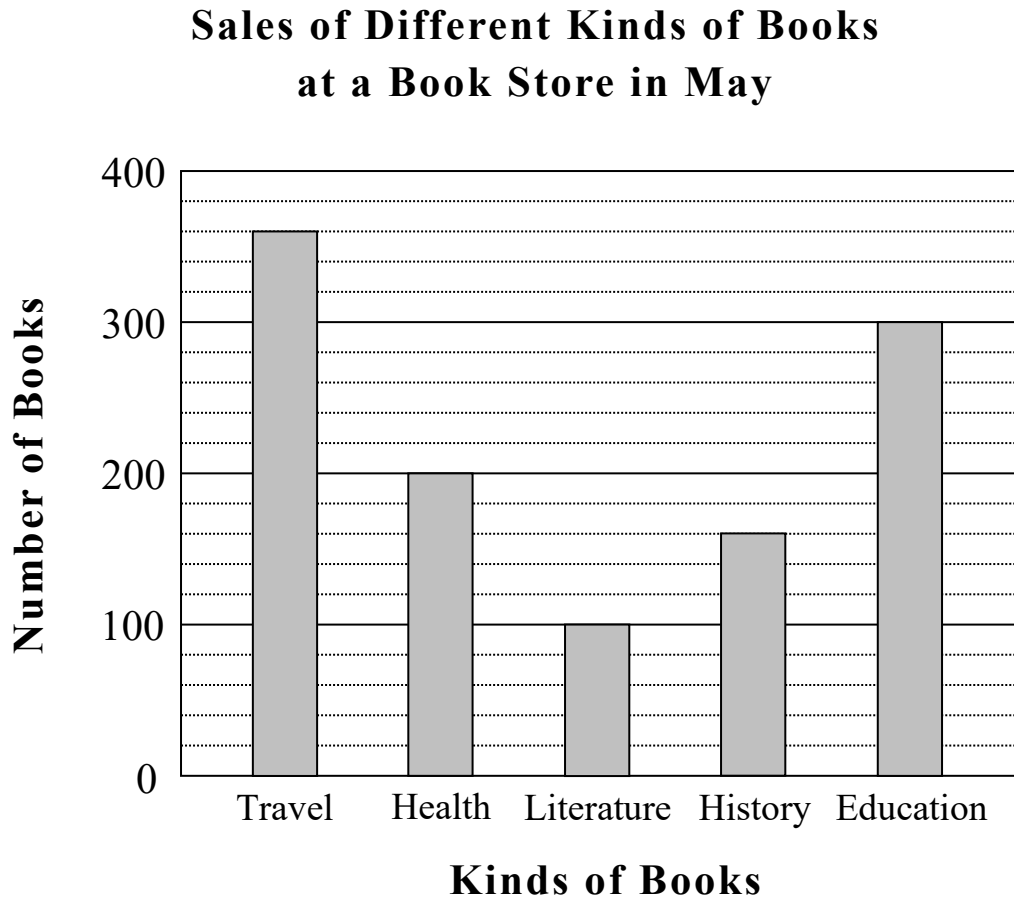
was the smallest on _____.
(day of the week)

There were _____ vehicles only.

- (b) The total number of vehicles passing through City
Bridge last week was _____.

Please do not write in the margin.

47. The following bar chart shows the sales of different kinds of books at a book store in May.



Please do not write in the margin.

- (a) The sales of _____ books were the most.
_____ books were sold.
- (b) The sales of Education books were _____ times
that of Literature books.

— END OF PAPER —

