






















































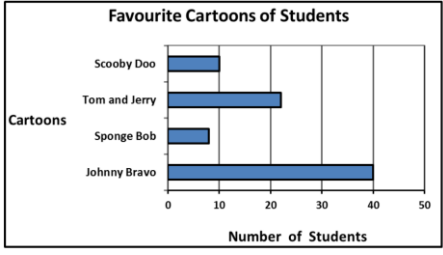


MENTAL MATHEMATICS

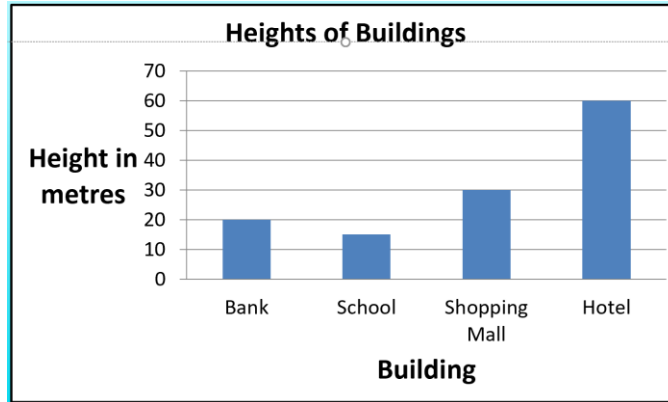
STATISTICS

	QUESTIONS	TIME Seconds														
1.	<p>The tally chart shows the favourite games of students of a standard four class.</p> <p style="text-align: center;">Favourite Games of Students in a Class</p> <table border="1"><thead><tr><th>Game</th><th>Tally</th></tr></thead><tbody><tr><td>Cricket</td><td></td></tr><tr><td>Football</td><td> </td></tr><tr><td>Basketball</td><td> </td></tr></tbody></table> <p>There are 40 students in the class. How many students like cricket?</p>	Game	Tally	Cricket		Football		Basketball		8						
Game	Tally															
Cricket																
Football																
Basketball																
2.	<p>The pictograph below shows the favourite drinks of 55 students.</p> <p style="text-align: center;">Our Favourite Drink</p> <table border="1"><tbody><tr><td>Juice</td><td></td></tr><tr><td>Water</td><td></td></tr><tr><td>Milk</td><td></td></tr></tbody></table> <p>How many students does  represent?</p>	Juice	     	Water	     	Milk	     	10								
Juice	     															
Water	     															
Milk	     															
3.	<p>The table below shows the number of different coloured cars sold by a company.</p> <table border="1"><thead><tr><th>Green</th><th>White</th><th>Yellow</th><th>Red</th><th>Blue</th><th>Silver</th><th>Black</th></tr></thead><tbody><tr><td>25</td><td>49</td><td>12</td><td>49</td><td>—</td><td>49</td><td>25</td></tr></tbody></table> <p>The number of blue cars sold was 21 more than the mode. How many blue cars were sold?</p>	Green	White	Yellow	Red	Blue	Silver	Black	25	49	12	49	—	49	25	10
Green	White	Yellow	Red	Blue	Silver	Black										
25	49	12	49	—	49	25										
4.	<p>The bar graph below shows the favourite cartoons of some students.</p> <p style="text-align: center;">Favourite Cartoons of Students</p>  <p>Which cartoon is liked by 32 students fewer than the number of students who liked Johnny Bravo?</p>	10														

5.

The bar graph shows the heights of four buildings.
Which building is one-third the height of another building?

10



6.

Thomas answered questions using the pattern shown in the table below.

10

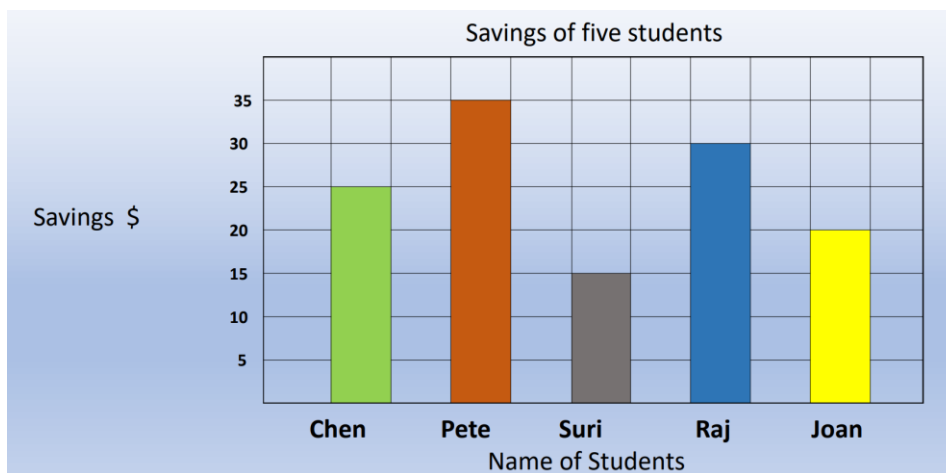
Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of questions answered	16	8		2	1

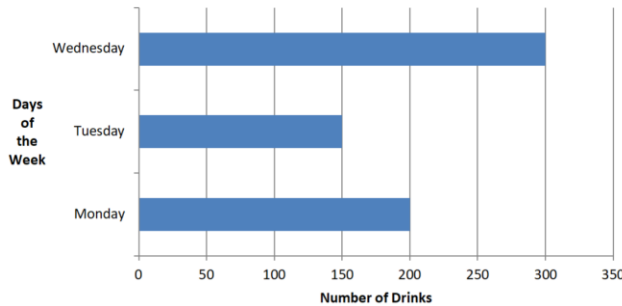
The number of questions done on Wednesday is missing. How many questions did he answer for the week?

7.

The bar graph below shows the savings of five children. Who saved $\frac{3}{5}$ the amount of money as Chen?

10



8.	<p>The Graph shows the number of drinks sold in a school for three days.</p> <div><p>Number of Drinks sold in a School</p><table border="1"><thead><tr><th>Days of the Week</th><th>Number of Drinks</th></tr></thead><tbody><tr><td>Wednesday</td><td>300</td></tr><tr><td>Tuesday</td><td>150</td></tr><tr><td>Monday</td><td>200</td></tr></tbody></table></div> <p>Twelve hundred drinks were sold from Monday to Friday. How many drinks were sold on Thursday and Friday, together?</p>	Days of the Week	Number of Drinks	Wednesday	300	Tuesday	150	Monday	200	10						
Days of the Week	Number of Drinks															
Wednesday	300															
Tuesday	150															
Monday	200															
9.	<p>These are the points Brian scored in a game. What was his total score at the end?</p> <table border="1"><thead><tr><th>Round No.</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th></tr></thead><tbody><tr><th>Points Scored</th><td>103</td><td>97</td><td>98</td><td>102</td><td>99</td></tr></tbody></table>	Round No.	1	2	3	4	5	Points Scored	103	97	98	102	99	12		
Round No.	1	2	3	4	5											
Points Scored	103	97	98	102	99											
10.	<p>The data give points scored in a game by different groups. Group <u>No. 5</u> made 6 more than the mode. How much is the score?</p> <table border="1"><tbody><tr><td>Points</td><td>20</td><td>20</td><td>24</td><td>?</td><td>28</td><td>20</td></tr><tr><td>Group Number</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr></tbody></table>	Points	20	20	24	?	28	20	Group Number	2	3	4	5	6	7	12
Points	20	20	24	?	28	20										
Group Number	2	3	4	5	6	7										

11.

A hall has four sections. The number of chairs in each section is shown below.

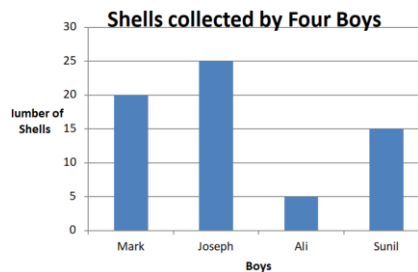
Section	Number of Chairs
Section 1	206
Section 2	98
Section 3	104
Section 4	207

How many chairs are there altogether in the hall?

12

12.

The Graph shows the number of shells collected by four boys as they walked along a beach.

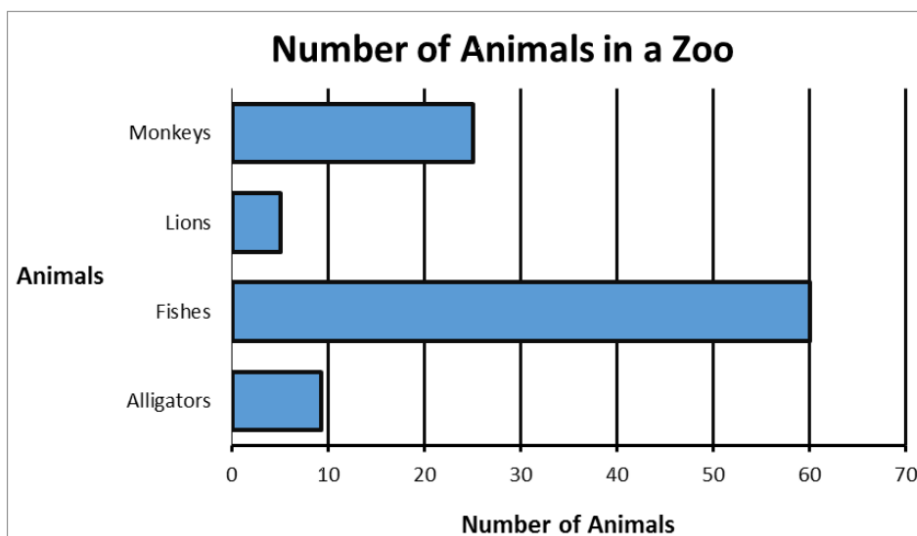


Another group of boys collected three times as many shells. How many shells did these boys collect?

12

13.

The bar graph below shows the number of animals in a zoo. How many more fishes are there than alligators?



12

14.

The pictograph shows the number of students in three classes.
There are 105 students altogether.

12

CLASS	NUMBER OF STUDENTS
A	☺ ☺ ☺
B	☺ ☺ ☺ ☺ ☺
C	☺ ☺ ☹

What number does ☺ represent?

15.

The tally chart below shows the number of snacks sold. If 50 snacks were sold altogether, how many more bags of potato chips than cupcakes were sold?

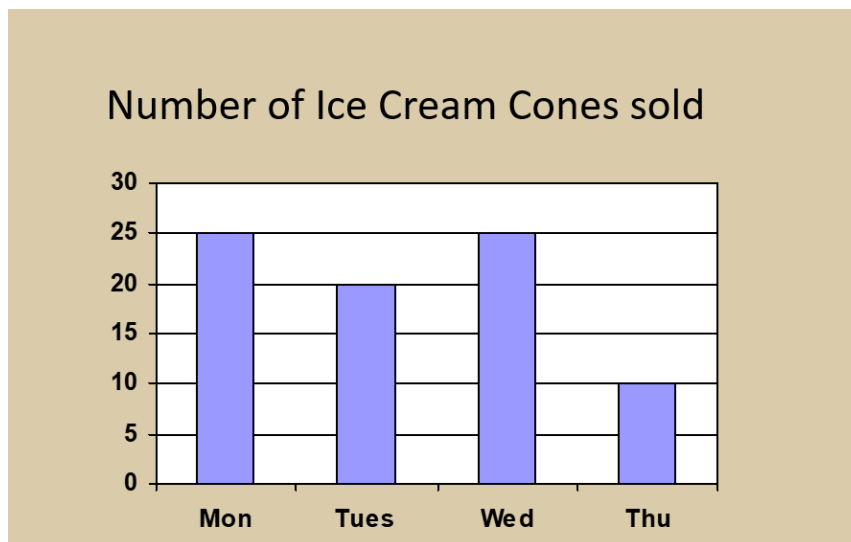
12




















































Snack	Number Sold
Cupcakes	
Biscuits	
Bags of Potato Chips	

16.

The total number of ice cream cones sold from Monday to Friday is 110.
How many were sold on Friday?

12

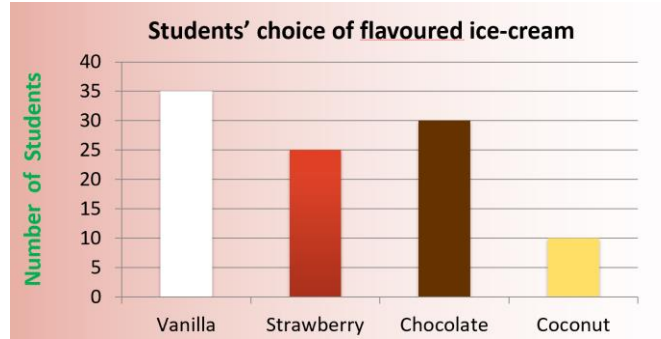


17.	<p>The pictograph below drawn using a scale factor, shows the number of bugs collected by a class.</p> <p style="text-align: center;">Number of bugs collected</p> <table><tr><td>In the grass</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Under logs</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>On leaves</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>In the pond</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>If 85 bugs were collected altogether, how many bugs were found in the pond?</p>	In the grass							Under logs							On leaves							In the pond							12
In the grass																														
Under logs																														
On leaves																														
In the pond																														
18.	<p>The table below shows the scores of Standard Four students in a Mathematics test. If 14 students scored more than half of the marks on the test what was the total number of marks of the test?</p> <table><tr><th>Number of Students</th><th>Scores</th></tr><tr><td>2</td><td>21</td></tr><tr><td>5</td><td>16</td></tr><tr><td>7</td><td>13</td></tr><tr><td>4</td><td>12</td></tr><tr><td>8</td><td>10</td></tr></table>	Number of Students	Scores	2	21	5	16	7	13	4	12	8	10	15																
Number of Students	Scores																													
2	21																													
5	16																													
7	13																													
4	12																													
8	10																													
19..	<p>The table below shows the runs scored by players in a cricket match.</p> <p style="text-align: center;">Runs Scored by 4 Players in a Cricket Match</p> <table><tr><th>Players</th><th>Tally</th></tr><tr><td>Bravo</td><td> </td></tr><tr><td>Darren</td><td> </td></tr><tr><td>Ravi</td><td> </td></tr><tr><td>Dinesh</td><td> </td></tr></table> <p>Which two players together scored exactly 36 runs?</p>	Players	Tally	Bravo		Darren		Ravi		Dinesh		15																		
Players	Tally																													
Bravo																														
Darren																														
Ravi																														
Dinesh																														

20.

The result of a survey showing students' choice of ice-cream is shown in the diagram.

15



How many students took part in the survey?

21.

Who had a total of fifteen(15) points for all three games?

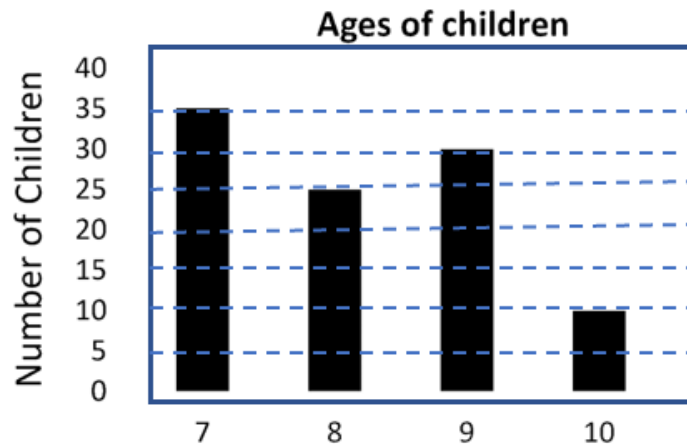
15

	Don	Fred	Chin	Joe
Game 1	1111 11	11	1111	1
Game 2	1111	1111 1111	1111 11	1111
Game 3	1111 111	1111	111	1111 111

22.

The Bar chart shows ages of children in the school choir. How many students are of the ages 7, 8 and 9?

15



ANSWERS

1. 18
2. 5
3. 70
4. Sponge Bob
5. Bank is $\frac{1}{3}$ of hotel
6. 31
7. Suri
8. 550
9. 499
10. 26
11. 615
12. 195
13. 51
14. 10
15. 17
16. 30
17. 15
18. 26
19. Bravo and Dinesh
20. 100
21. Chin
22. 90