













Q1. Each year, the Davis family eats 1,800 vegetables. The Martinez family eats 600 vegetables. The Pansari family eats 1,500 vegetables. The Smith family eats 1,300 vegetables. And the Yamazaki family eats 1,700 vegetables. Choose the best pictogram from the two:

Davis	
Martinez	
Pansari	
Smith	
Yamazaki	

A






Davis	
Martinez	
Pansari	
Smith	
Yamazaki	

B






Each  = 200,    Each  = 100

Answer \_\_\_\_\_



Q1. Each year, the Davis family eats 1,800 vegetables. The Martinez family eats 600 vegetables. The Pansari family eats 1,500 vegetables. The Smith family eats 1,300 vegetables. And the Yamazaki family eats 1,700 vegetables. Choose the best pictogram from the two:

Davis	
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Smith	
Yamazaki	

A

Davis	
Martinez	
Pansari	
Smith	
Yamazaki	

B

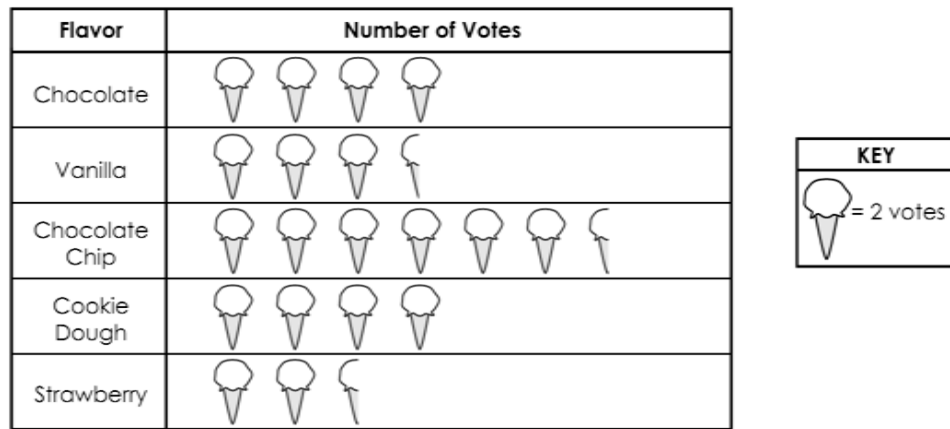
Each  = 200,    Each  = 100

Answer  A

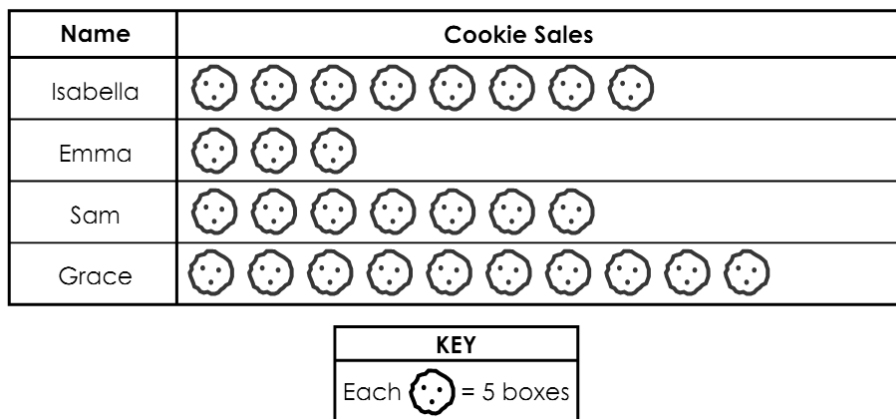
# Answering Questions about Pictographs and Bar Graphs

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Mrs. French and Mr. Miskey are planning a party for their classes. The students are asked to vote for their favorite ice cream flavor. The following pictograph shows the results

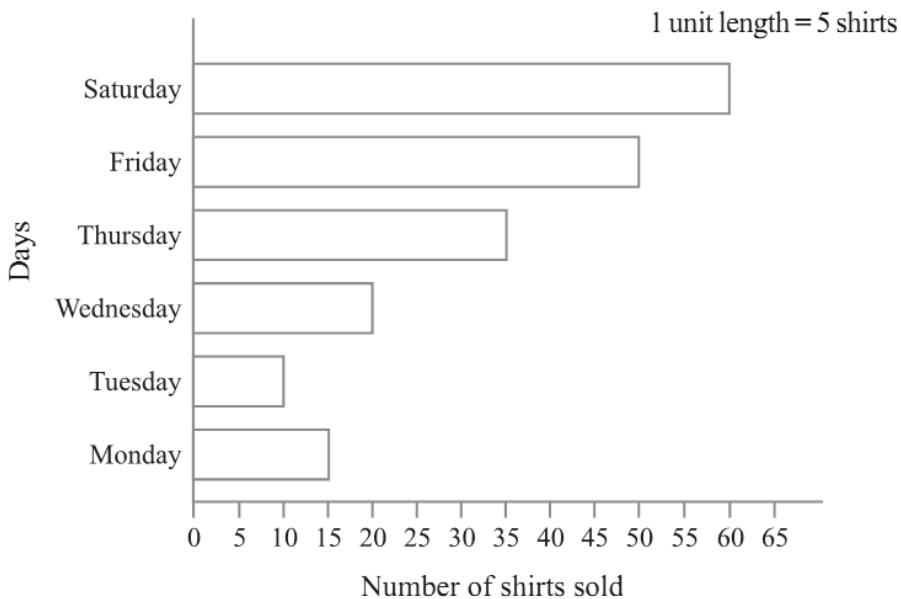


- What two flavors did the students like the least?
  - How many students voted for either cookie dough or strawberry?
  - How many more students voted for chocolate chip than vanilla?
  - How many votes were there in all?
2. Four Girl Scouts sold cookies for one month. The pictograph below shows how many boxes were sold by each Girl Scout. Use the information to answer the questions.



- a. How many boxes were sold in all?
- b. How many more boxes did Isabella sell than Emma?
- c. Which two girls sold a total of 75 boxes?
- d. Half of the cookies sold by Grace were thin mint, how many boxes of thin mint cookies did Grace sell?

3. Observe this bar graph which is showing sale of shirts in a readymade shop

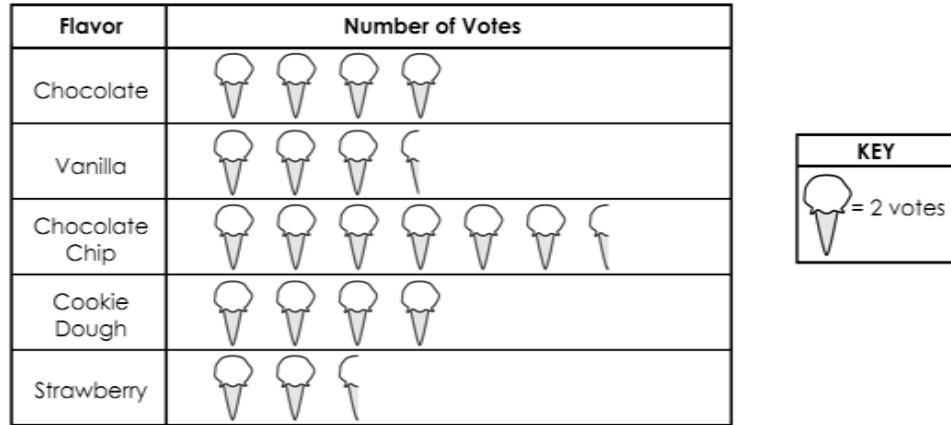


Answer the following question

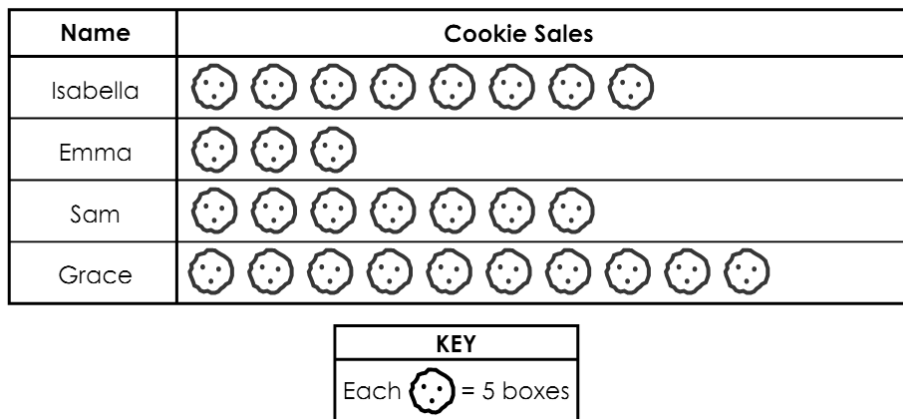
- e. What information does the above bar graph give?
- f. What is the scale chosen on the horizontal line representing number of shirts?
- g. On which day were minimum numbers of shirts sold?
- h. How many shirts were sold on Thursday?

Name ANSWER KEY Period \_\_\_\_\_ Date \_\_\_\_\_

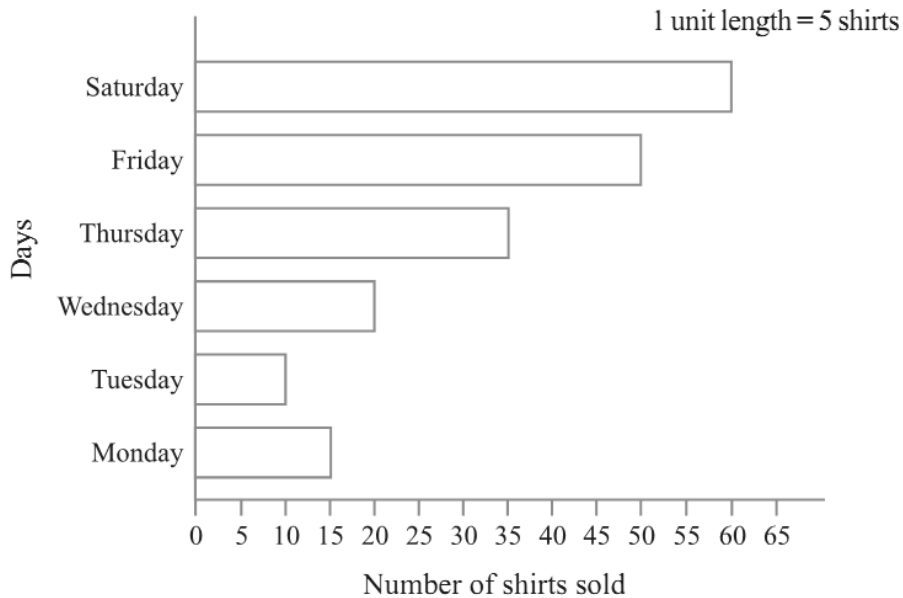
1. Mrs. French and Mr. Miskey are planning a party for their classes. The students are asked to vote for their favorite ice cream flavor. The following pictograph shows the results



- a. What two flavors did the students like the least? **Vanilla and Strawberry**
  - b. How many students voted for either cookie dough or strawberry? **13**
  - c. How many more students voted for chocolate chip than vanilla? **6**
  - d. How many votes were there in all? **41**
2. Four Girl Scouts sold cookies for one month. The pictograph below shows how many boxes were sold by each Girl Scout. Use the information to answer the questions.




- a. How many boxes were sold in all? **140**
  - b. How many more boxes did Isabella sell than Emma? **25**
  - c. Which two girls sold a total of 75 boxes? **Isabella and Sam**
  - d. Half of the cookies sold by Grace were thin mint, how many boxes of thin mint cookies did Grace sell? **25**
3. Observe this bar graph which is showing sale of shirts in a readymade shop

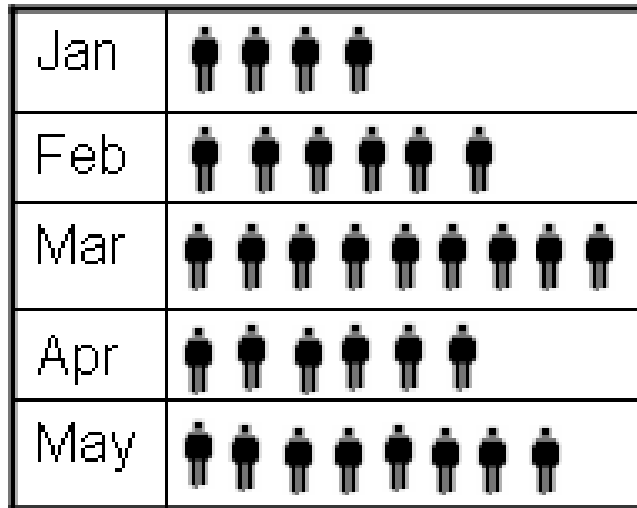


Answer the following question

- a. What information does the above bar graph give? **Number of shirts sold on a particular day during a week**
- b. What is the scale chosen on the horizontal line representing number of shirts? **1 unit = 5 shirts**
- c. On which day were minimum numbers of shirts sold? **Tuesday**
- d. How many shirts were sold on Thursday? **30-40**

This pictograph shows the number of visitors came to the Niagara Falls from January to May. See the pictograph to answer this question.

 = 500 visitors



Q1. How many visitors came to the Niagara Falls from January to May altogether?

Answer \_\_\_\_\_


Q2. How many more visitors came in April than January?

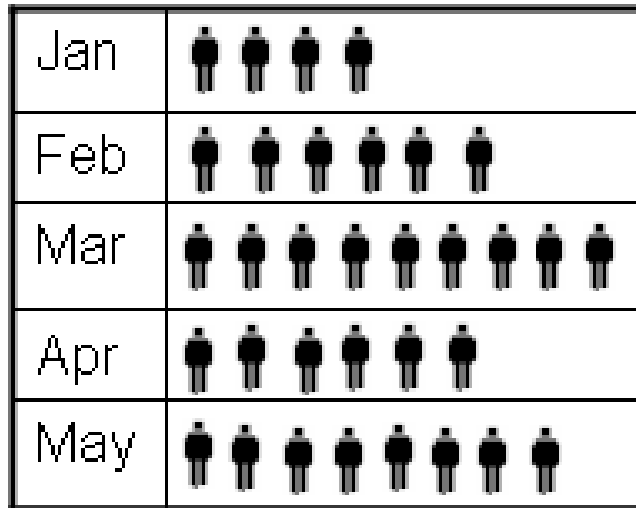
Answer \_\_\_\_\_

Q3. What is the average of visitors from February to April?

Answer \_\_\_\_\_

This pictograph shows the number of visitors came to the Niagara Falls from January to May. See the pictograph to answer this question.

 = 500 visitors



Q1. How many visitors came to the Niagara Falls from January to May altogether?

Answer 16,500

Q2. How many more visitors came in April than January?

Answer 1,000

Q3. What is the average of visitors from February to April?

Answer 3,500

# Answering Questions about Pictographs and Bar Graphs

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Doreen was having a lemonade stand in her front yard. The picturegraph shows how much she earned.




<b>Day</b>	<b>Money Earned</b>						
<b>Friday</b>	\$	\$	\$	\$	\$		
<b>Saturday</b>	\$	\$	\$	\$	\$	\$	\$
<b>Sunday</b>	\$	\$	\$				
<b>Monday</b>	\$	\$					

**\$ = five dollars**

Answer the following question

- How much money did Doreen earned on Friday?
- How much did she earn on Sunday?
- How much money did she earn on Saturday and Sunday?
- How much more did Doreen earn on Saturday than Sunday?
- On which day Doreen earned the least?
- Which day Doreen earned the most?
- How much more did Doreen earned on Saturday than Monday?

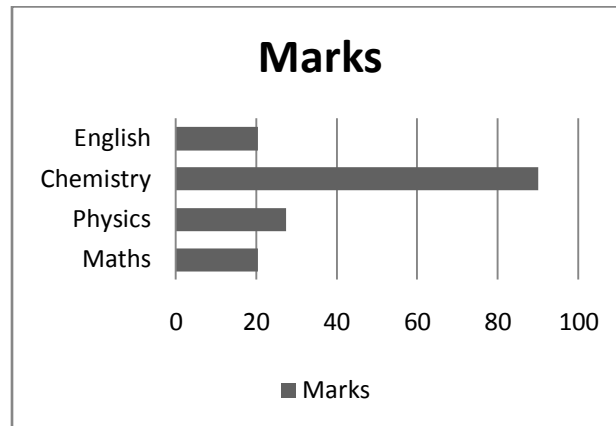
2. The pictograph shows the number of stuffed animals owned by students.

Name	Number of Stuffed Animals
Sara	
Billy	
Jess	

 = 2 stuffed animals

- How many stuffed animals does Sara have?
- How many stuffed animals does Jess have?
- How many stuffed animals does Billy have?
- Who has the most stuffed animals?
- Who has the fewest stuffed animals?
- Does Jess or Sara have more stuffed animals?
- Who has six stuffed animals?

3. The following bar graph shows the number of marks obtained by Martin in different subjects



Observe the bar graph and answer the following questions

- Martin says "Chemistry is my favorite subject". Does his result reflect the same?
- Which subject do you think Martin has to attend to the most?
- In which two subjects did Martin score the least marks?
- Did Martin score marks in Physics or English?

Name \_\_\_\_\_ **ANSWER KEY** \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_




1. Doreen was having a lemonade stand in her front yard. The picturegraph shows how much she earned.

<b>Day</b>	<b>Money Earned</b>
<b>Friday</b>	\$ \$ \$ \$ \$
<b>Saturday</b>	\$ \$ \$ \$ \$ \$ \$
<b>Sunday</b>	\$ \$ \$
<b>Monday</b>	\$ \$

**\$ = five dollars**

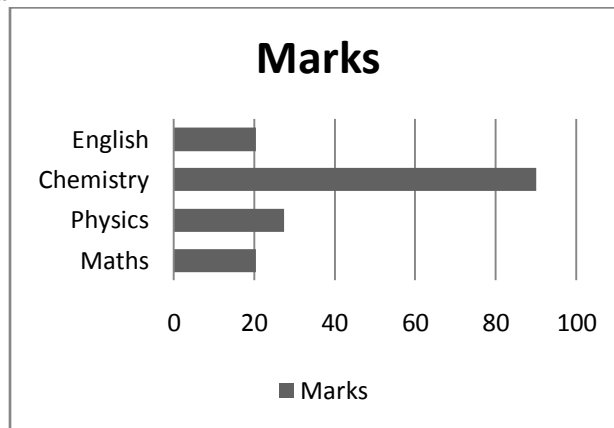
Answer the following question

- How much money did Doreen earned on Friday? **\$25**
  - How much did she earn on Sunday? **\$15**
  - How much money did she earn on Saturday and Sunday? **\$50**
  - How much more did Doreen earn on Saturday than Sunday? **\$20**
  - On which day Doreen earned the least? **Monday**
  - Which day Doreen earned the most? **Saturday**
  - How much more did Doreen earned on Saturday than Monday? **\$25**
2. The pictograph shows the number of stuffed animals owned by students.

<b>Name</b>	<b>Number of Stuffed Animals</b>
Sara	
Billy	
Jess	

 = 2 stuffed animals

- a. How many stuffed animals does Sara have? **4**
  - b. How many stuffed animals does Jess have? **6**
  - c. How many stuffed animals does Billy have? **10**
  - d. Who has the most stuffed animals? **Billy**
  - e. Who has the fewest stuffed animals? **Sara**
  - f. Does Jess or Sara have more stuffed animals? **Jess**
  - g. Who has six stuffed animals? **Jess**
3. The following bar graph shows the number of marks obtained by Martin in different subjects



Observe the bar graph and answer the following questions






- a. Martin says “Chemistry is my favorite subject”. Does his result reflect the same? **Yes**
- b. Which subject do you think martin has to attend to the most? **Maths**
- c. In which two subjects did Martin score the least marks? **Maths and English**
- d. Did Martin score marks in Physics or English? **Physics**



Michael, Emily, Joseph, Jennifer, and Kevin went on a fishing trip.

Look at the pictograph below to see how many fish each person caught.

Answer the questions below.

**Number of Fish Caught**

Michael	
Emily	
Joseph	
Jennifer	
Kevin	

**Key:**  = 6 fish     = 3 fish






1. How many fish did Michael catch? 1. \_\_\_\_\_
2. How many fish did Emily catch? 2. \_\_\_\_\_
3. How many fish did Kevin catch? 3. \_\_\_\_\_
4. How many more fish did Emily catch than Joseph? 4. \_\_\_\_\_
5. How many fish did the girls catch? 5. \_\_\_\_\_
6. How many fish did the boys catch? 6. \_\_\_\_\_
7. How many more fish did the girls catch than the boys? 7. \_\_\_\_\_
8. How many fish did Joseph and Kevin catch? 8. \_\_\_\_\_
9. Find the sum of the fish caught by all 5 people. 9. \_\_\_\_\_
10. Who caught fewer fish, Jennifer or Emily? 10. \_\_\_\_\_
11. Did Jennifer catch an odd or even number of fish? 11. \_\_\_\_\_
12. Joseph said, "I caught a dozen fish!" Is he correct? 12. \_\_\_\_\_



Michael, Emily, Joseph, Jennifer, and Kevin went on a fishing trip.

Look at the pictograph below to see how many fish each person caught.

Answer the questions below.

**Number of Fish Caught**

Michael	
Emily	
Joseph	
Jennifer	
Kevin	

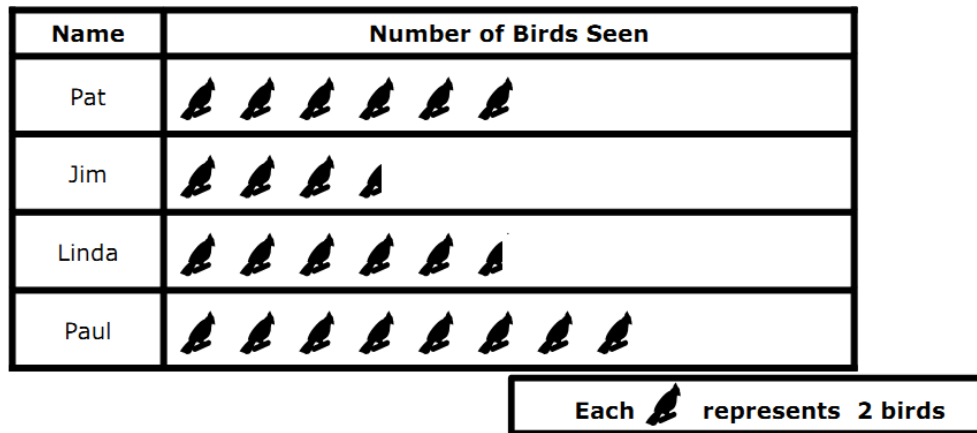
**Key:**  = 6 fish     = 3 fish

1. How many fish did Michael catch? 1. **18 fish**
2. How many fish did Emily catch? 2. **36 fish**
3. How many fish did Kevin catch? 3. **15 fish**
4. How many more fish did Emily catch than Joseph? 4. **24 more fish**
5. How many fish did the girls catch? 5. **78 fish**
6. How many fish did the boys catch? 6. **45 fish**
7. How many more fish did the girls catch than the boys? 7. **33 more fish**
8. How many fish did Joseph and Kevin catch? 8. **27 fish**
9. Find the sum of the fish caught by all 5 people. 9. **123 fish**
10. Who caught fewer fish, Jennifer or Emily? 10. **Emily**
11. Did Jennifer catch an odd or even number of fish? 11. **Even**
12. Joseph said, "I caught a dozen fish!" Is he correct? 12. **Yes**

# Answering Questions about Pictographs and Bar Graphs

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

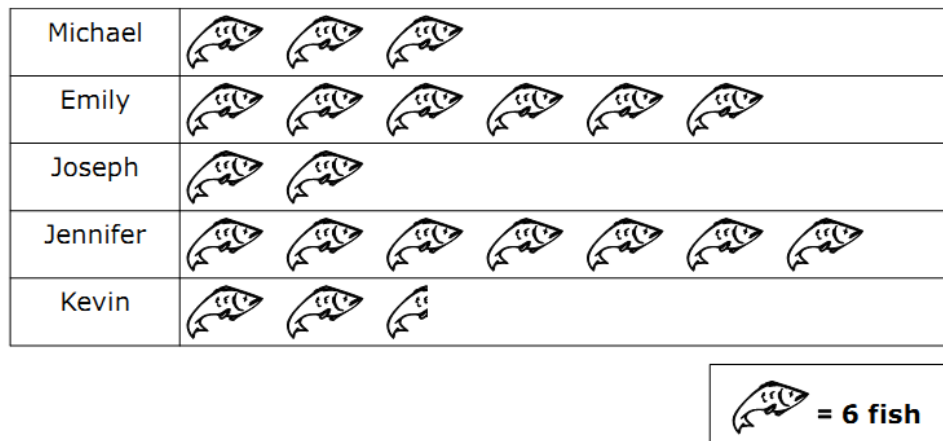
1. Pat, Jim, Linda, Paul went on a bird watching walk. The following pictograph shows how many birds each person saw.



Answer the following question

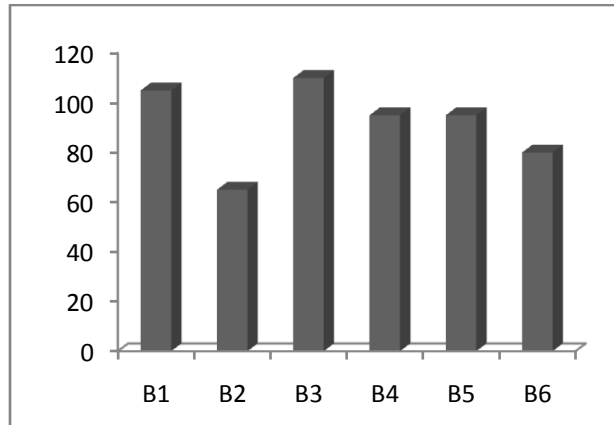
- How many birds did Pat see?
- How many birds did Jim see?
- How many birds did Paul see?
- How many more birds did Paul see than Linda?
- How many birds did Pat and Jim see together?
- Did Jim see even number of birds or odd number of birds?
- Who saw eleven birds?
- If Jim had seen three more birds how many symbols would be next to his name?
- Who saw fewer birds; Jim or Paul?
- What is the total number of birds seen?

2. Michael, Emily, Joseph, Jennifer and Kevin went on a fishing trip, see the pictograph to find how many fish each person caught



- a. How many fish Emily caught?
- b. How many fish Michael caught?
- c. How many fish Kevin caught?
- d. How many more fish did Emily catch than Kevin?
- e. How many fish did the girls catch?
- f. How many fish did the boys catch?
- g. How many more fish did the girls catch than Boys?
- h. How many fish did Joseph and Kevin catch?
- i. Find sum of fish caught by all?
- j. Who caught fewer fish Kevin or Emily?
- k. Did Jennifer catch odd or even number of fish?
- l. Joseph said "I caught a dozen fish". Is he right?

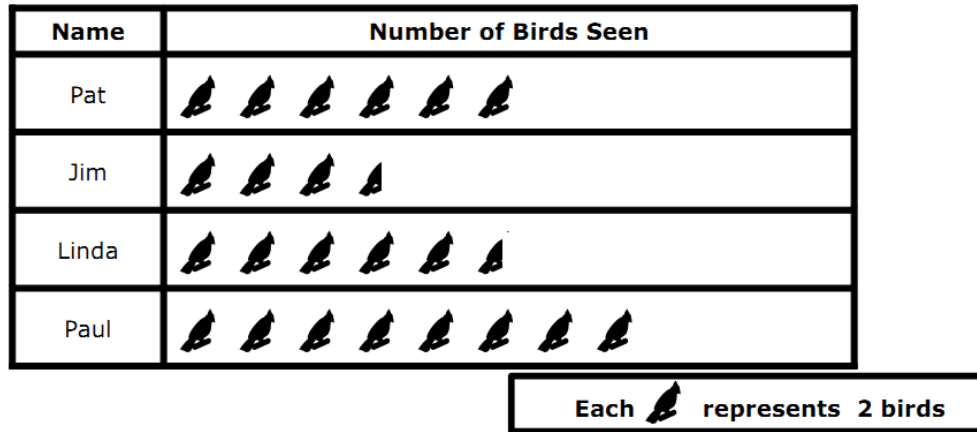
3. The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001



- What is the ratio of sales in branch B2 to branch B4?
- Sales of branch B6 is what percentage of sales at branch B3?
- What is the average sale of all branches?
- Total sale of branches B1, B2 and B3 is?

Name \_\_\_\_\_ ANSWER KEY \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

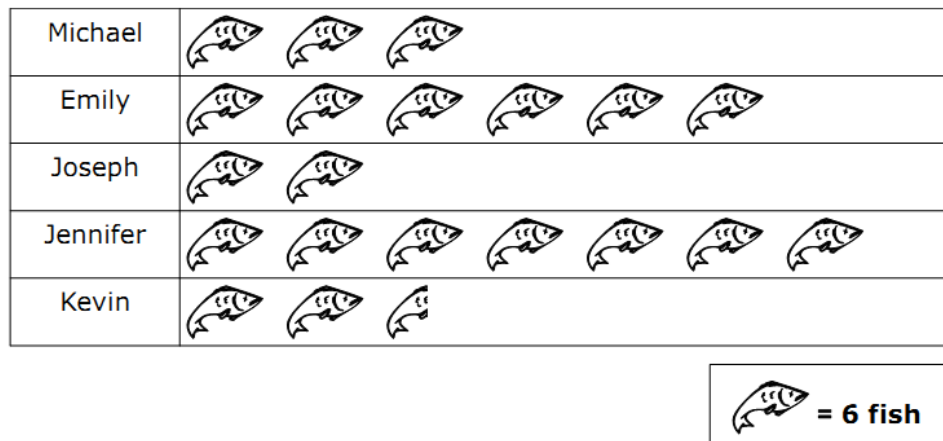
1. Pat, Jim, Linda, Paul went on a bird watching walk. The following pictograph shows how many birds each person saw.



Answer the following question

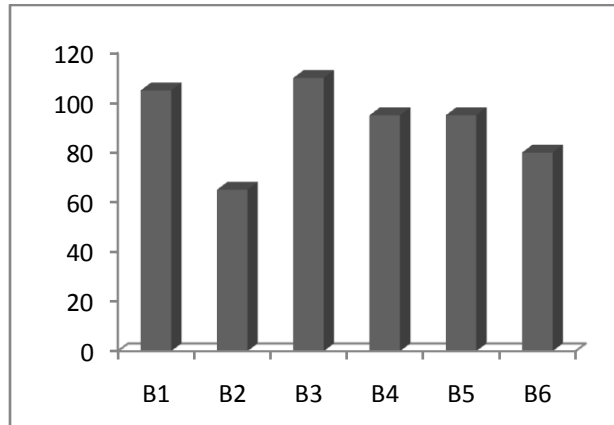
- e. How many birds did Pat see? **12**
- f. How many birds did Jim see? **7**
- g. How many birds did Paul see? **16**
- h. How many more birds did Paul see than Linda? **5**
- i. How many birds did Pat and Jim see together? **19**
- j. Did Jim see even number of birds or odd number of birds? **odd**
- k. Who saw eleven birds? **Linda**
- l. If Jim had seen three more birds how many symbols would be next to his name? **5**
- m. Who saw fewer birds; Jim or Paul? **Jim**
- n. What is the total number of birds seen? **46**

2. Michael, Emily, Joseph, Jennifer and Kevin went on a fishing trip, see the pictograph to find how many fish each person caught



- a. How many fish Emily caught? **36**
- b. How many fish Michael caught? **18**
- c. How many fish Kevin caught? **15**
- d. How many more fish did Emily catch than Kevin? **21**
- e. How many fish did the girls catch? **93**
- f. How many fish did the boys catch? **30**
- g. How many more fish did the girls catch than Boys? **63**
- h. How many fish did Joseph and Kevin catch? **27**
- i. Find sum of fish caught by all? **123**
- j. Who caught fewer fish Kevin or Emily? **Kevin**
- k. Did Jennifer catch odd or even number of fish? **odd**
- l. Joseph said "I caught a dozen fish". Is he right? **Yes**

3. The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001






- a. What is the ratio of sales in branch B2 to branch B4? **2:3**
- b. Sales of branch B6 is what percentage of sales at branch B3? **73%**
- c. What is the average sale of all branches? **92%**
- d. Total sale of branches B1, B2 and B3 is? **280**

Monica, Wayne, Kiersten, and Derrick were in a pumpkin carving contest.

There was a prize for the person who carved the most pumpkins.

### Number of Pumpkins Carved

Monica	
Wayne	
Kiersten	
Derrick	




**Key:** Each  = 4 pumpkins

- How many pumpkins did Derrick carve? 1. \_\_\_\_\_
- How many more pumpkins did Derrick carve than Kiersten? 2. \_\_\_\_\_
- How many pumpkins did Monica and Wayne carve in all? 3. \_\_\_\_\_
- Which person carved the greatest number of pumpkins? 4. \_\_\_\_\_
- Which person carved the least number of pumpkins? 5. \_\_\_\_\_
- If Kiersten carved 4 more pumpkins, how many pumpkins would she have carved in all? 6. \_\_\_\_\_
- If Monica had carved 6 fewer pumpkins, how many would She has carved? 7. \_\_\_\_\_
- How many more pumpkins did Wayne carve than Monica? 8. \_\_\_\_\_
- How many pumpkins did the 4 contestants carve altogether? 9. \_\_\_\_\_

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There was a prize for the person who carved the most pumpkins.

### Number of Pumpkins Carved

Monica	
Wayne	
Kiersten	
Derrick	

Key: Each  = 4 pumpkins

1. How many pumpkins did Derrick carve? 1. 34
2. How many more pumpkins did Derrick carve than Kiersten? 2. 18
3. How many pumpkins did Monica and Wayne carve in all? 3. 54
4. Which person carved the greatest number of pumpkins? 4. Derrick
5. Which person carved the least number of pumpkins? 5. Kiersten
6. If Kiersten carved 4 more pumpkins, how many pumpkins would she have carved in all? 6. 20
7. If Monica had carved 6 fewer pumpkins, how many would she have carved? 7. 18
8. How many more pumpkins did Wayne carve than Monica? 8. 6
9. How many pumpkins did the 4 contestants carve altogether? 9. 104

# Answering Questions about Pictographs and Bar Graphs

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Monica, Wayne, Kiersten, Derrick were in a pumpkin carving contest. There was a prize for the person who carved the most pumpkins.










 = 4 pumpkins

Answer the following question

- How many pumpkins did Monica carve?
- How many pumpkins did Wayne carve?
- How many pumpkins did Kiersten carve?
- How many pumpkins did Derrick carve?
- How many more pumpkins did Derrick carve than Kiersten?
- How many pumpkins did Monica and Wayne carve together?
- Which person carved the greatest number of pumpkins?
- Which person carved the least number of pumpkins?
- If Kiersten carved 4 more pumpkins how many pumpkins she would have carved in all?
- If Monica had carved 6 fewer pumpkins how many would she have carved in all?
- How many more pumpkins were carved by Wayne than Monica?
- How many pumpkins were carved in all?

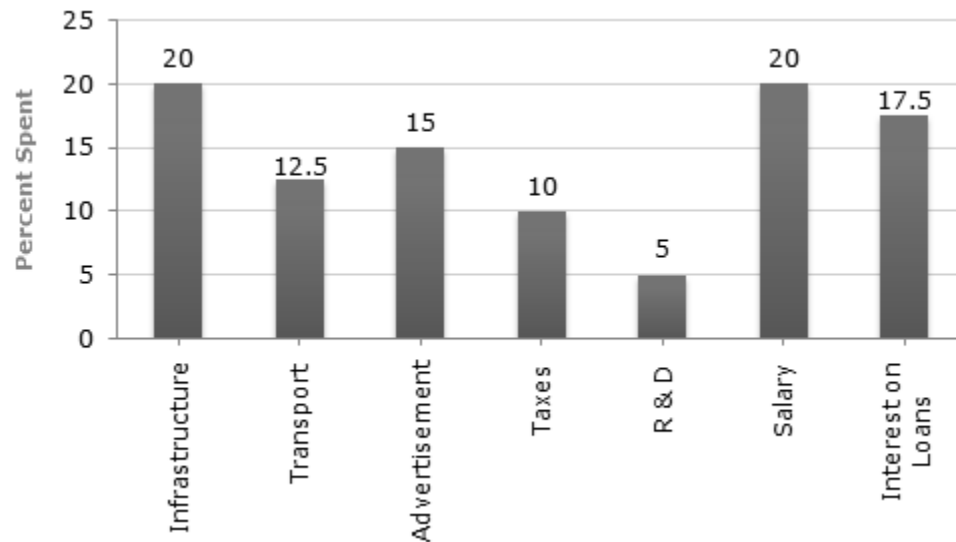
2. In a village six fruit merchants sold the following number of fruit baskets in a season

Name of fruit merchants	Number of fruit baskets	 - 100 Fruit baskets
Rahim		
Lakhanpal		
Anwar		
Martin		
Ranjit Singh		
Joseph		

Observe the pictograph and answer the following questions

- Which merchant sold the maximum number of baskets?
- How many fruit baskets were sold by Anwar?
- The merchants who sold more than 600 baskets are planning to buy a godown for the next season can you name them?











3. The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003




- The total amount of expenditures of the company is how many times of expenditure on research and development?
- If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is?
- What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?
- If the interest on loans amounted to Rs. 2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is?
- The expenditure on the interest on loans is by what percent more than the expenditure on transport?

Name \_\_\_\_\_ ANSWER KEY \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Monica, Wayne, Kiersten, Derrick were in a pumpkin carving contest. There was a prize for the person who carved the most pumpkins.








Monica	     
Wayne	       
Kiersten	    
Derrick	        

 = 4 pumpkins

Answer the following question

- How many pumpkins did Monica carve? **24**
- How many pumpkins did Wayne carve? **30**
- How many pumpkins did Kiersten carve? **20**
- How many pumpkins did Derrick carve? **34**
- How many more pumpkins did Derrick carve than Kiersten? **14**
- How many pumpkins did Monica and Wayne carve together? **54**
- Which person carved the greatest number of pumpkins? **Derrick**
- Which person carved the least number of pumpkins? **Kiersten**
- If Kiersten carved 4 more pumpkins how many pumpkins she would have carved in all? **24**
- If Monica had carved 6 fewer pumpkins how many would she have carved in all? **18**
- How many more pumpkins were carved by Wayne than Monica? **6**
- How many pumpkins were carved in all? **108**

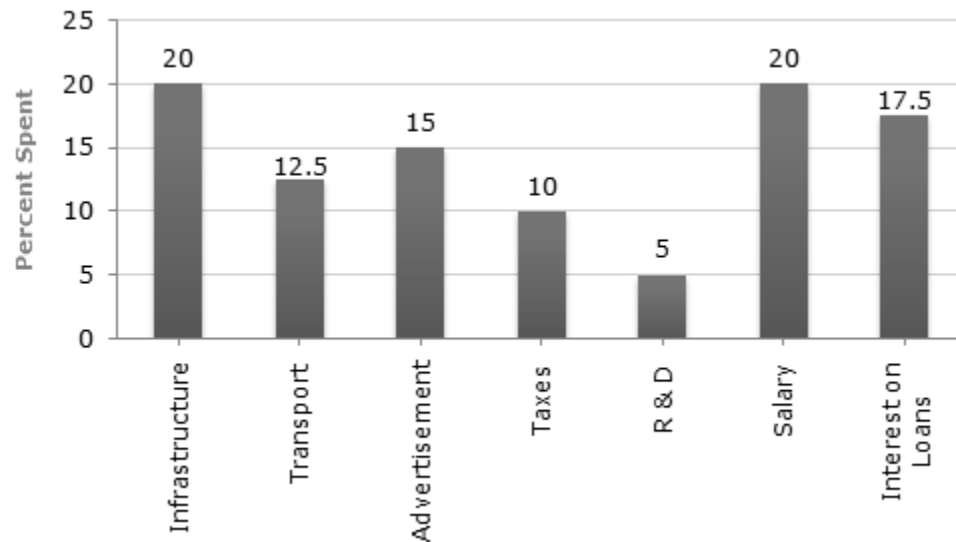
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Name of fruit merchants	Number of fruit baskets	 - 100 Fruit baskets
Rahim		
Lakhanpal		
Anwar		
Martin		
Ranjit Singh		
Joseph		

Observe the pictograph and answer the following questions

- Which merchant sold the maximum number of baskets? **Martin**
- How many fruit baskets were sold by Anwar? **700**
- The merchants who sold more than 600 baskets are planning to buy a godown for the next season can you name them? **Anwar, Martin and Ranjit Singh**

3. The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003



- The total amount of expenditures of the company is how many times of expenditure on research and development? **20**
- If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is? **Rs 35 Lacks**
- What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans? **1.18**
- If the interest on loans amounted to Rs. 2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is? **4.2 crores**
- The expenditure on the interest on loans is by what percent more than the expenditure on transport? **40%**