

## MATH MIXED BAG

1. Which is the best way to represent the data given below? Use mean, median **or** mode(only one of them). Justify the reason for your answer:

A. HRT of your class is organizing a potluck for you. She wants to bring something that most of the people like. Following is the data received:

Pasta, Noodles, Garlic Bread, Pasta, Noodles, Noodles, Pasta, Pasta, Garlic Bread, Pasta, Noodles, Pasta, Garlic Bread, Pasta, Pasta, Noodles, Pasta, Pasta, Noodles and Pasta.

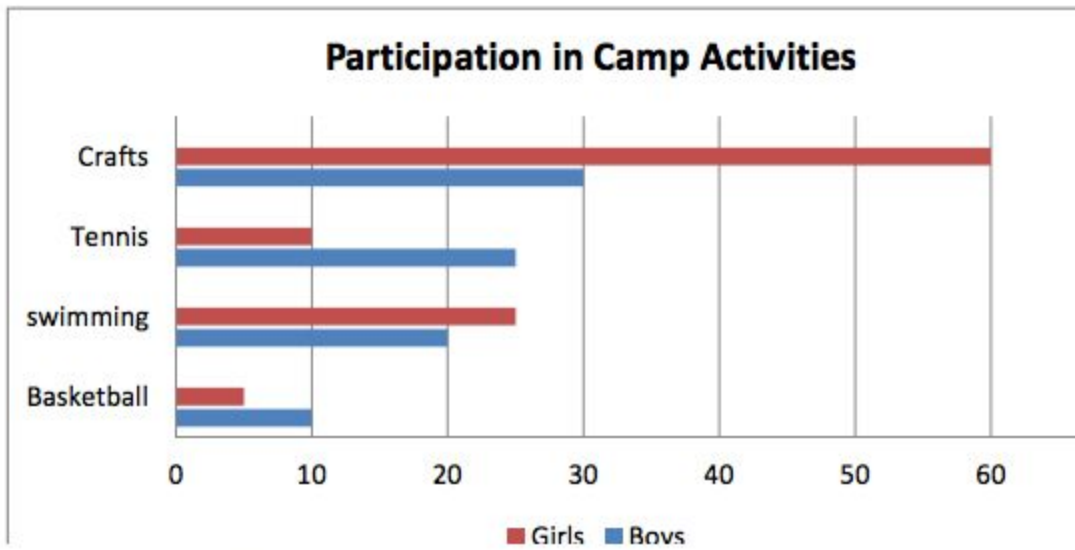
B. A survey was taken of the students of Grade 6 to know their rating for different chromebooks. Which is a better chromebook to buy?

	DELL	ASUS	ACER
Student 1	4	3	4
Student 2	5	4	5
Student 3	4	3	3
Student 4	4	5	3
Student 5	5	4	3
Student 6	5	4	4

C. A survey of Grade 6 students was taken to know how much they spend on breakfast in school. Following was the data received:

120, 110, 130, 100, 120, 120, 130, 100, 140, 30.

2.



- In how many activities, participation of girls is more than boys?
- How many girls participated more in swimming than boys?
- How many girls play tennis?
- What is the average number of girl in sports?

3. Ria earns Rs. 40,000 per month. She spends her money in the following manner:

Category	Money
Grocery	Rs. 3000
Clothes	Rs. 2500
Entertainment	Rs. 3000
Transportation	Rs. 3500
Bills	Rs. 4000
Savings	Rs. 10,000
Others	?

Make a pie chart of the same.

4. A paper has the length of 20 cm and breadth of 30 cm. Ria wants to cut a square with the of length 15 cm. How much area of the paper is wasted? Illustrate it.

5. Convert it:

Fraction	Decimal	Percentage
$\frac{6}{8}$	_____	_____
_____	0.78	_____
_____	_____	54%

6. Solve the following:

a.  $\frac{2}{5} - \left(\frac{2}{5} - \frac{1}{5}\right)$

b.  $\left(\frac{2}{3} + \frac{2}{9}\right) \div \frac{5}{8} - \frac{5}{9} \times \left(\frac{5}{6} + \frac{1}{6}\right)$

c.  $2 \times \left(\frac{1}{2} + \frac{1}{4} \div \frac{1}{2}\right)$

7. A submarine dove 836 ft. It rose at a rate of 22 ft per minute. What was the depth of the submarine after 17 minutes?

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