Name: _____

Day:_____

Date: _____

ALLIANCE ACADEMY JORDAN

Subject: Math

Review Paper

Topic :Second month exam

**Support Department**

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**Q1: Write each percentage as a fraction with denominator 100.**

1) 35% = $\frac{\quad}{100}$

2) 8% = $\frac{\quad}{100}$

3) 62% = $\frac{\quad}{100}$

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**Q2: Write the percentage as a simplified fraction**

1)50% = _____

2)25% = _____

3)75% = _____

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**Q3: Complete the table with the correct form**

| Fraction | Decimal | Percentage |
|---|---|---|
| ____ | _____ | 5% |
| ____ | 0.8 | _____ |
| $\frac{3}{5}$ | _____ | _____ |

**Q4: Order from Smallest to Largest**

1. 25% , $\frac{1}{2}$ , $\frac{3}{10}$

   Answer:

   _____

2. 60% , $\frac{2}{5}$ , $\frac{1}{4}$

   Answer:

   _____

**Q5: Write ( < , > , or =) to compare :**

1. 40% ___ $\frac{1}{10}$

2. 60% ___ 0.2

3. 20% ___ $\frac{1}{4}$

4. 82% ___ $\frac{4}{5}$

**Q6: Read each situation. Write the probability word that fits best from the box :**

**[Certain , Likely , Equal Chance , Unlikely , Impossible]**

1. You flip a coin. What's the chance of getting tails ?

_____

2. It is raining  outside. What's the chance you'll build a snowman today?

_____

3. You have a bag with only green marbles. You pick one marble , it is green .

_____

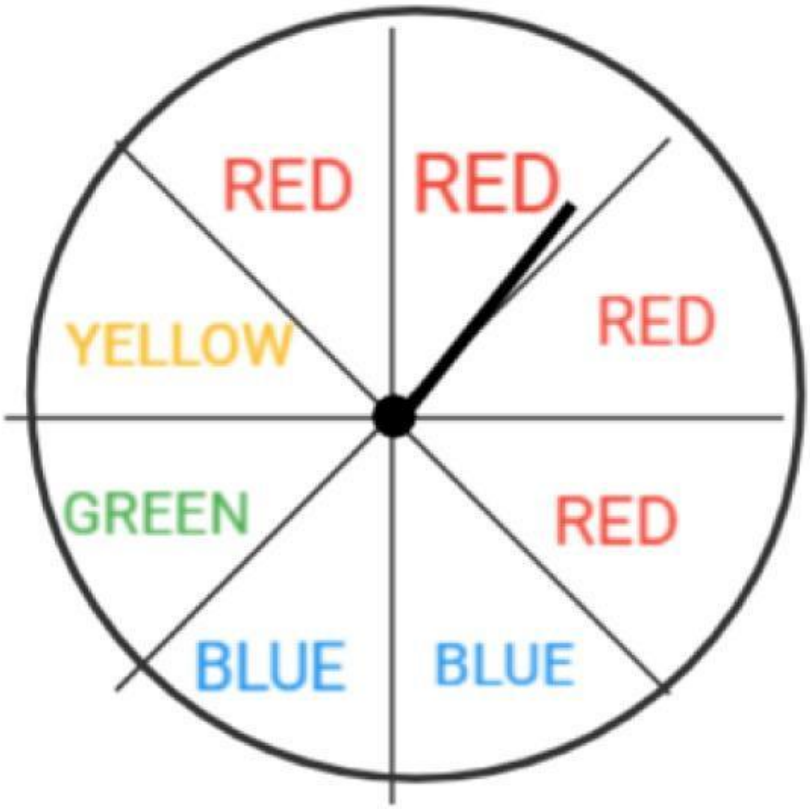
4. A pig will fly tomorrow.

_____

5. You have a bag with 8 red  marbles and 2 blue marbles. You pick one marble.It’s red

_____

**Q7: A spinner has different parts labeled with different colors .Answer the following questions :**




A)What is the percentage that represents landing on Red ?

_____

B) Is it certain, likely, unlikely, or impossible to land on Green?

_____

C) Write the fraction that represents the possibility of landing on yellow ?

_____

**Q8: Use tally marks to complete the frequency table. And then answer the following questions**

| Favorite Animal | Tally Marks | Total |
|---|---|---|
| **Dog** | IIIII | _____ |
| **Cat** | IIII | _____ |
| **Bird** | IIIII IIII | _____ |
| **Fish** | IIIII I | _____ |
| **TOTAL** | | |

1) Which animal is the most popular?

_____

2) What is the difference between the number of students who chose Fish and Dog?

_____

3) What percentage of students chose Fish?

_____

4) How many students did not choose Bird?

_____

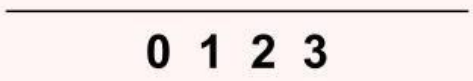
5) What fraction of the students chose dog and Fish?_____

***Q9 :Look at the data below. Draw dots on the number line to create a dot plot.***

**Data: Number of siblings of students**

**0, 1, 2, 1, 3, 1, 2, 1, 0, 2, 1, 2, 3, 1, 2**

**Draw your dot plot below:**

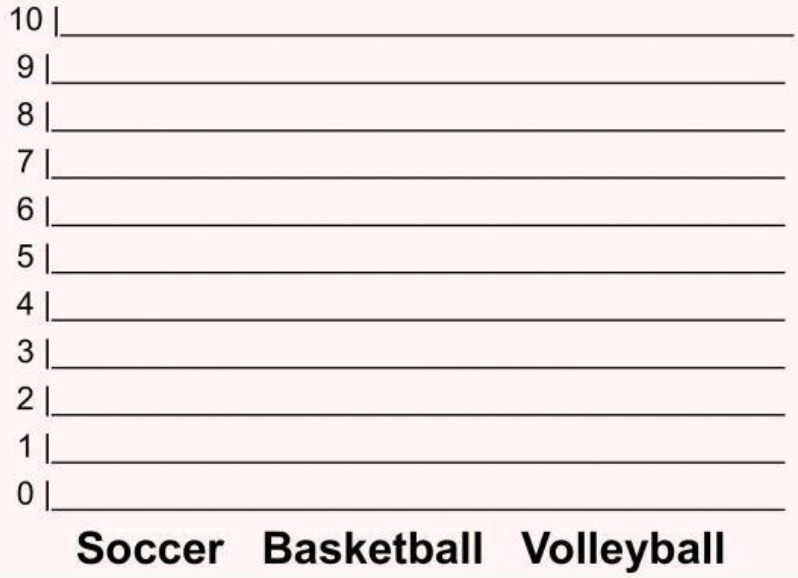


**Q10 :Use the frequency table to draw a bar chart on the grid below.**

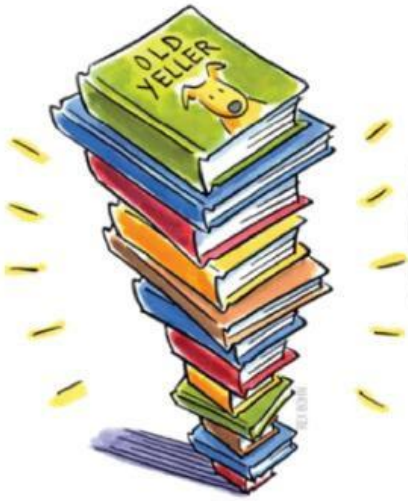
**Use this data to draw your bar chart:**

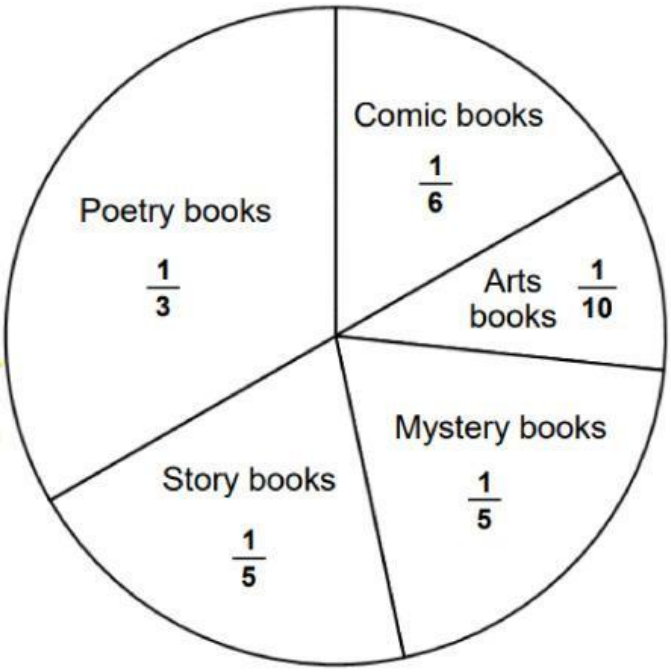
| Type of Ball | Number |
|---|---|
| Soccer | 5 |
| Basketball | 9 |
| Volleyball | 6 |

Draw your bar chart below:



**Q11: The pie graph shows data about Dema's book collection.Study the graph and answer the questions below.**




1) Which books are collected by Dema the least?

_____

2) What is the percentage of poetry books?

_____

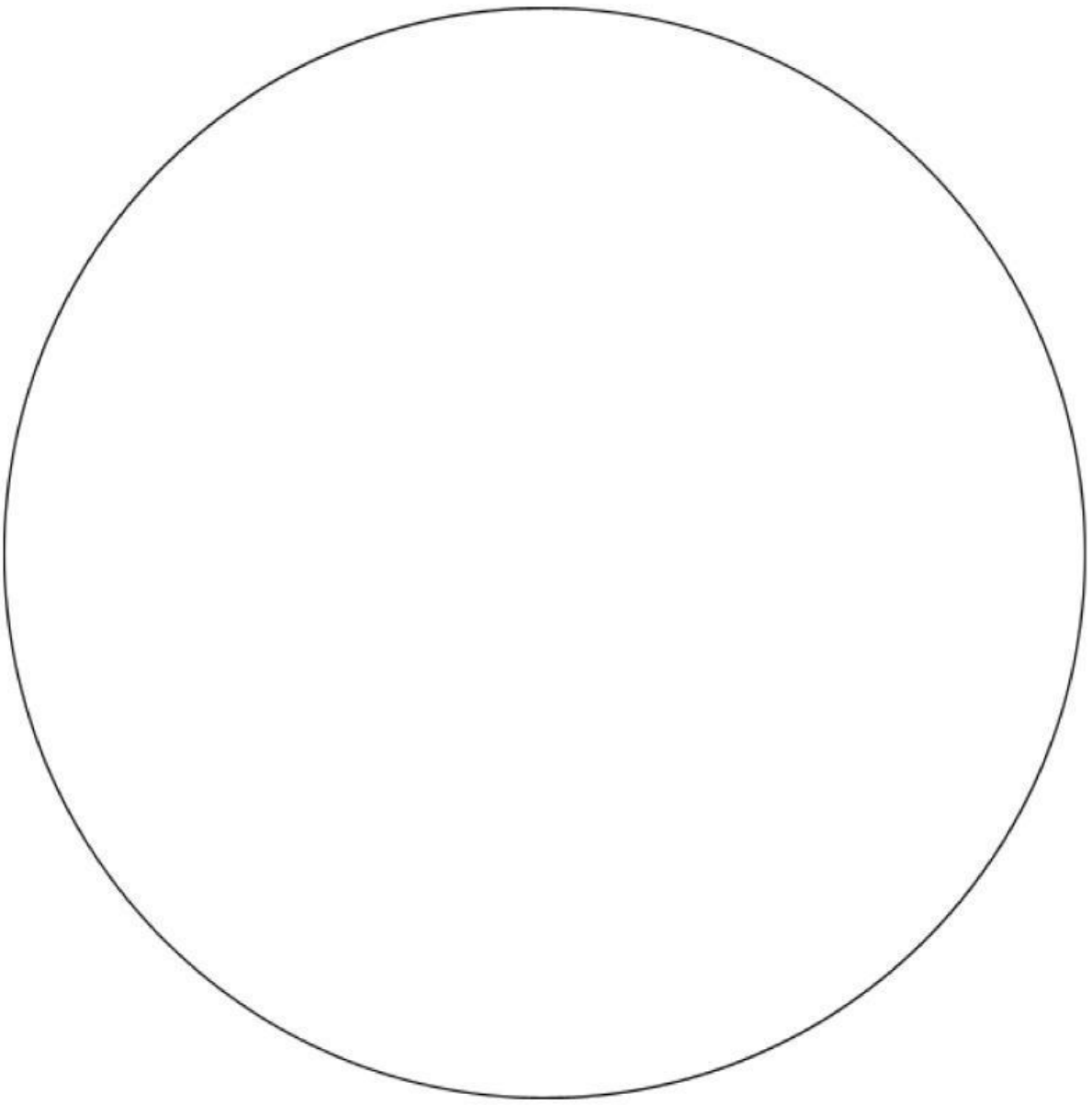
3) If Dema had 80 books in her collection , how many of those are mystery books ?

**( Help: fraction of an amount )**

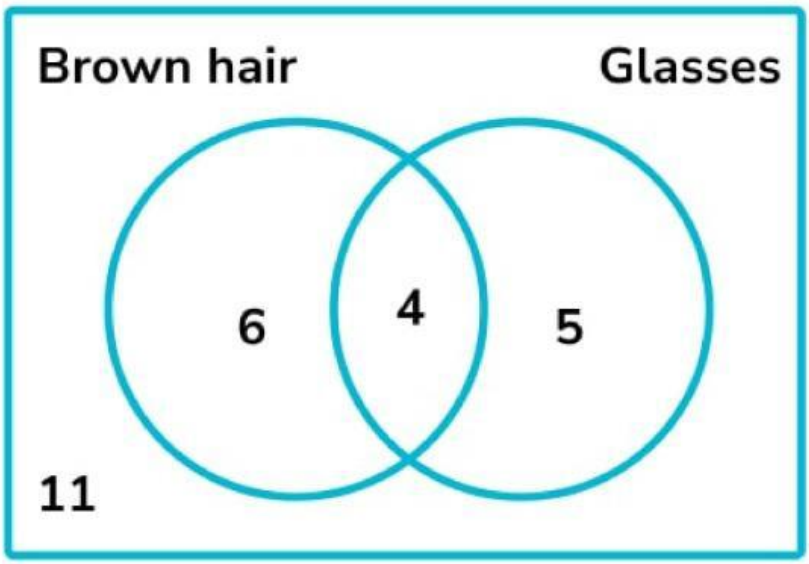
_____

**Q12: Create a pie graph to illustrate the proportion of each item type in the school supplies cupboard, which contains a total of 100 items according to the provided data table.**

| School supplies | Quantity | Percentage | Angle |
|---|---|---|---|
| Scissors | 10 | | |
| Pencils | 20 | | |
| Crayons | 25 | | |
| Glue | 5 | | |
| Notebooks | 40 | | |



**Q13: The Venn diagram shows the distribution of people with brown hair and people who wear glasses.Use it to answer the following questions**




1) How many students have brown hair only?

   _____

2) How many students have both brown hair and glasses?

   —----------

3) How many students have neither brown hair nor glasses?

   —----------

4) What is the total number of students?

   —----------

14. Some people were asked whether they like strawberry ice cream or chocolate ice cream. 82% said they like strawberry ice cream and 70% said they like chocolate ice cream. 4% said they like neither.

By putting this information onto a Venn diagram, find the percentage of people who like both strawberry and chocolate ice cream.