Name: - - - - - - - - - - - - - - -

Coordinate Grid

Give the coordinates for the following points.

1. C _ _ _ _ _   _   2. *H* _ _ _ _   _

3. **8** _ _ _ _   _   4. f _ _ _ _   _

5. G _ _ _ _   _   6. **0** _ _ _ _   _

7. *A* _ _ _ _   _   8. F _ _ _ _   _
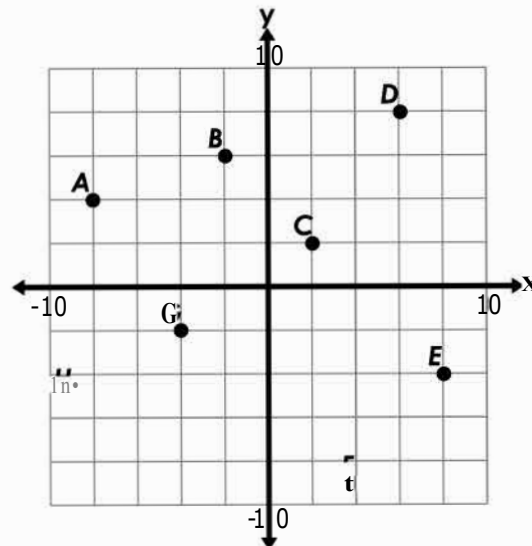
Tell which quadrant each of the following points is located in: I, II, III, or IV.

9. (15,-12) - - - -   10. (-9, 17) - - - -   11. (20, 10) _ _ _   _

12. (-6, -23) _ _ _   _   13. (30, -8) - - - -   14. (-5, -5) _____

15. (18, 10) - - - -   16. (-14,-2) _ _ _   _   17. (-8, 35) - - - -

Plot and label the following points.
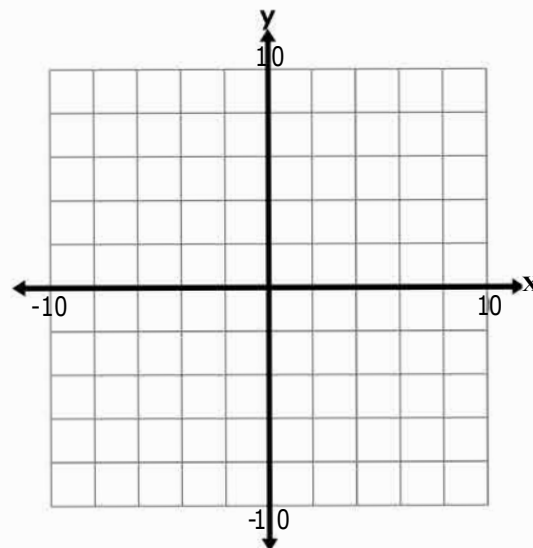
18. *I* (8, -4)   19. J (-2, -4)
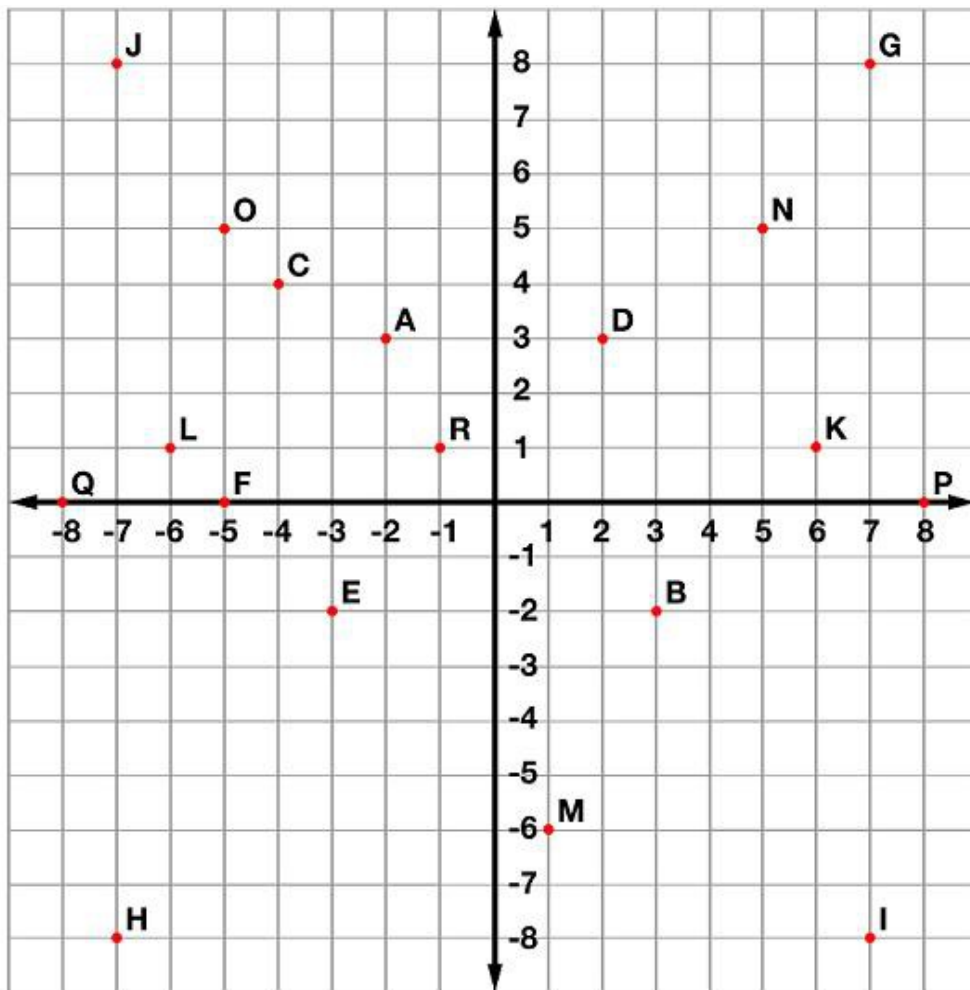
20. *K* (-8, 10)   21. I(6 , 6)

22. M (-5, -9)   23. N (9, 1)

24. 0 (-4, 3)   25. P(6,-8)

Ordered Pairs

Tell what point is located at each ordered pair.

1. (3,-2) _____

2. (2,3) _____

3. (-5,5) _____

4. (-7,-8) _____

5. (-4,4) _____

6. (-5,0) _____

Write the ordered pair for each given point.

7. E _____

8. M _____

9. P _____

10. G _____

11. Q _____

12. N _____

Plot the following points on the coordinate grid.

13. S (-6,-3)

14. T (2,-4)

15. U (5,8)

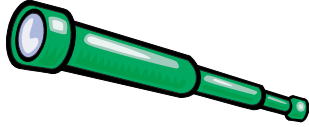Name: ----------------

Coordinate Grid Treasure Map

Below is a pirate map drawn as a coordinate grid.
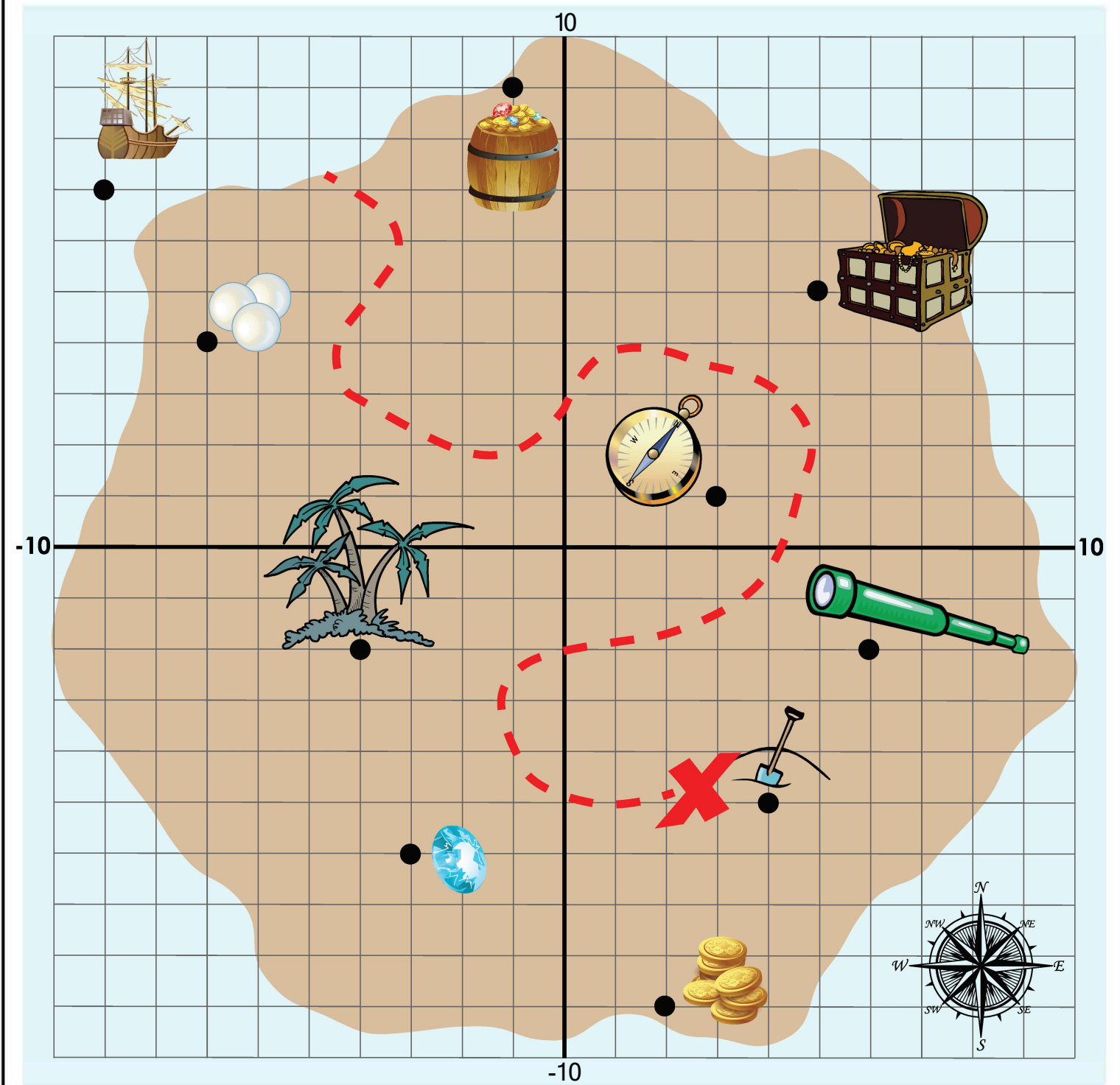
Name: _____

Coordinate Grid Treasure Map

Write the coordinates for each object on the map. Write the coordinates as *(x, y)*.

telescope

shovel

_____

_____

pirate ship

diamond

_____

_____

gold coins

treasure chest
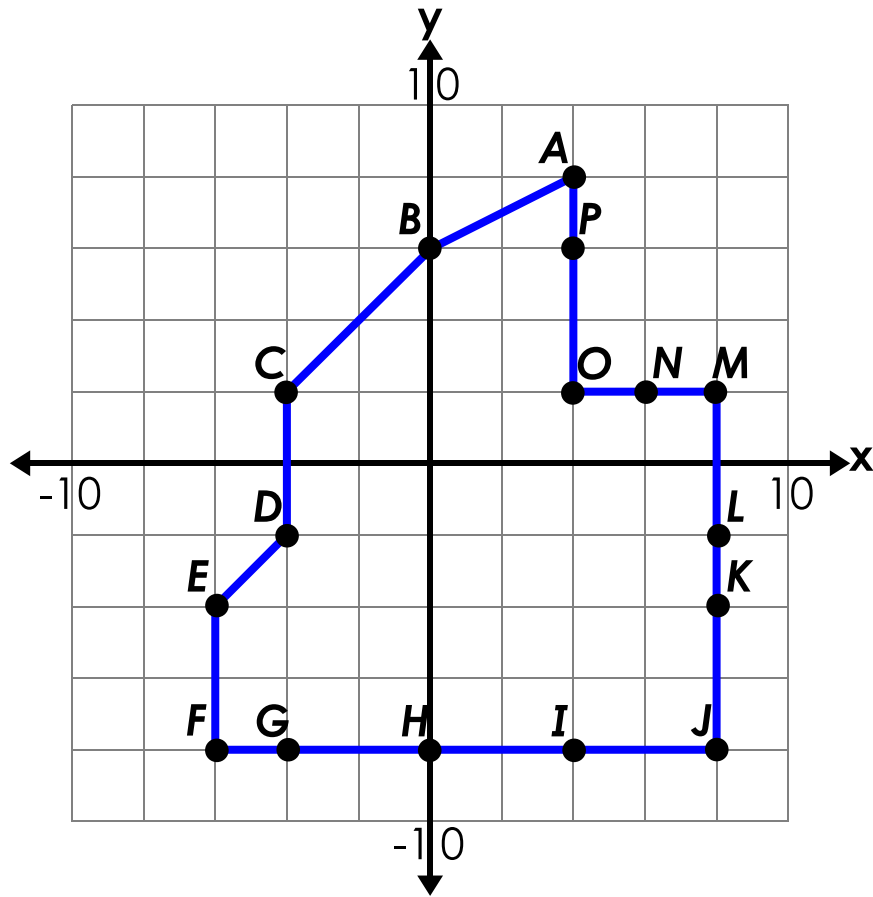
_____

_____
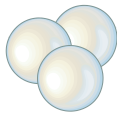
pearls

palm trees

_____

_____

compass

barrel of treasure

_____

_____

Coordinate Grid

List each point and ordered pair for each of the polygon's vertices.

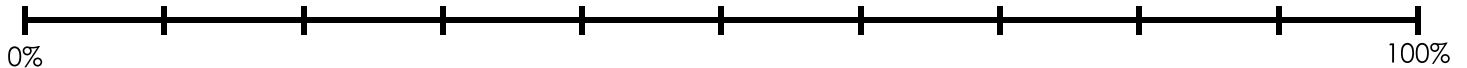| POINT	ORDERED PAIR

Name: _____

Double Number Lines

a. Melinda collects antique glass bottles.
She has 6 bottles made of blue glass. This is
20% of her bottle collection. How many
bottles does she have altogether?
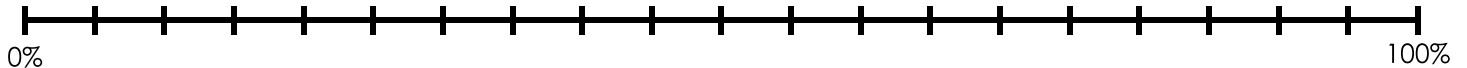
answer: _____

Number of Bottles

|———|———|———|———|———|———|———|———|———|———|
0%   100%

percent of bottle collection

b. Nolan has lots of tennis balls in his garage.
He has 4 green tennis balls. Only 5% of his tennis
balls are green. How many tennis balls does he
have altogether?

answer: _____

Number of Tennis Balls

|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|
0%   100%
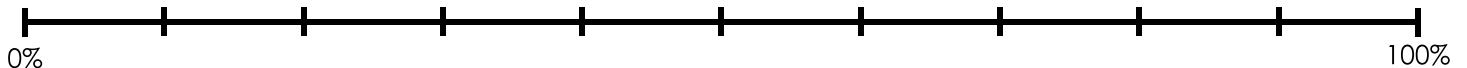
percent of tennis balls

c. Dr. Molar is the best dentist in town. 60% of his
patients are female. He has 120 female patients.
How many patients does he have in all?

answer: _____

Number of Patients

|————|————|————|————|————|————|————|————|————|————|
0%   100%

percent of patients

Calculate Your Weight on Other Worlds

Mercury is the smallest planet, and the planet closest to the sun.
The gravity of Mercury is 38% of Earth's gravity.
To calculate your weight on Mercury, multiply your weight by 0.38.

_____	_____	x	_____	=	_____	_____
(Your Weight on Earth)	(units - lbs or kg)		(Multiply by)		(Your weight on Mercury)	(units - lbs or kg)

Venus is known as the "Cloudy Planet" because it is covered with thick, yellow clouds.
The gravity of Venus is 90% of Earth's gravity.
To calculate your weight on Venus, multiply your weight by 0.9.

_____	_____	x	_____	=	_____	_____
(Your Weight on Earth)	(units - lbs or kg)		(Multiply by)		(Your weight on Venus)	(units - lbs or kg)

The Earth's moon is the only heavenly body that people have walked on.
The gravity of the moon is 17% of Earth's gravity.
To calculate your weight on the Moon, multiply your weight by 0.17.

_____	_____	x	_____	=	_____	_____
(Your Weight on Earth)	(units - lbs or kg)		(Multiply by)		(Your weight on the Moon)	(units - lbs or kg)

Mars is known as the "Red Planet" because the soil is filled with orange-red particles.
The gravity of Mars is 38% of Earth's gravity.
To calculate your weight on Mars, multiply your weight by 0.38.

_____	_____	x	_____	=	_____	_____
(Your Weight on Earth)	(units - lbs or kg)		(Multiply by)		(Your weight on Mars)	(units - lbs or kg)

Jupiter has more moons than any other planet. So far, scientists have discovered 63!
The gravity of Jupiter is 234% of Earth's gravity.
To calculate your weight on Jupiter, multiply your weight by 2.34.

_____	_____	x	_____	=	_____	_____
(Your Weight on Earth)	(units - lbs or kg)		(Multiply by)		(Your weight on Jupiter)	(units - lbs or kg)

Saturn is known as the "Ringed Planet" because it has colorful rings made of rock and ice.
The gravity of Saturn is 108% of Earth's gravity.
To calculate your weight on Saturn, multiply your weight by 1.08.

| _____ | _____ | x | _____ | = | _____ | _____ |
| (Your Weight on Earth) | (units - lbs or kg) | | (Multiply by) | | (Your weight on Saturn) | (units - lbs or kg) |

Uranus spins sideways. It's north pole and south pole are on the sides.
The gravity of Uranus is 80% of Earth's gravity.
To calculate your weight on Uranus, multiply your weight by 0.8.

| _____ | _____ | x | _____ | = | _____ | _____ |
| (Your Weight on Earth) | (units - lbs or kg) | | (Multiply by) | | (Your weight on Uranus) | (units - lbs or kg) |

Neptune is a blue planet with extremely strong winds.
The gravity of Neptune is 112% of Earth's gravity.
To calculate your weight on Neptune, multiply your weight by 1.12.

| _____ | _____ | x | _____ | = | _____ | _____ |
| (Your Weight on Earth) | (units - lbs or kg) | | (Multiply by) | | (Your weight on Neptune) | (units - lbs or kg) |

Scientists no longer consider Pluto a planet. It's now a considered a "Dwarf Planet."
The gravity of Pluto is 7% of Earth's gravity.
To calculate your weight on Pluto, multiply your weight by 0.07.

| _____ | _____ | x | _____ | = | _____ | _____ |
| (Your Weight on Earth) | (units - lbs or kg) | | (Multiply by) | | (Your weight on Pluto) | (units - lbs or kg) |

How much more would you weigh
on Jupiter than Earth? Show your work.   answer: _____

How much less would you weigh
on Pluto than Earth? Show your work.   answer: _____

Would you weigh more on the Earth's
moon, or on Mercury?   answer: _____

Name: _____

Pie Graph

Mr. Sobieski asked his class to vote on where they would most like to go on a field trip. The choices he gave them were: history museum, science museum, art gallery, and nature preserve. All 30 students cast one vote each. The pie graph below shows the results.

History Museum 30%

Nature Preserve 50%

Science Museum 10%
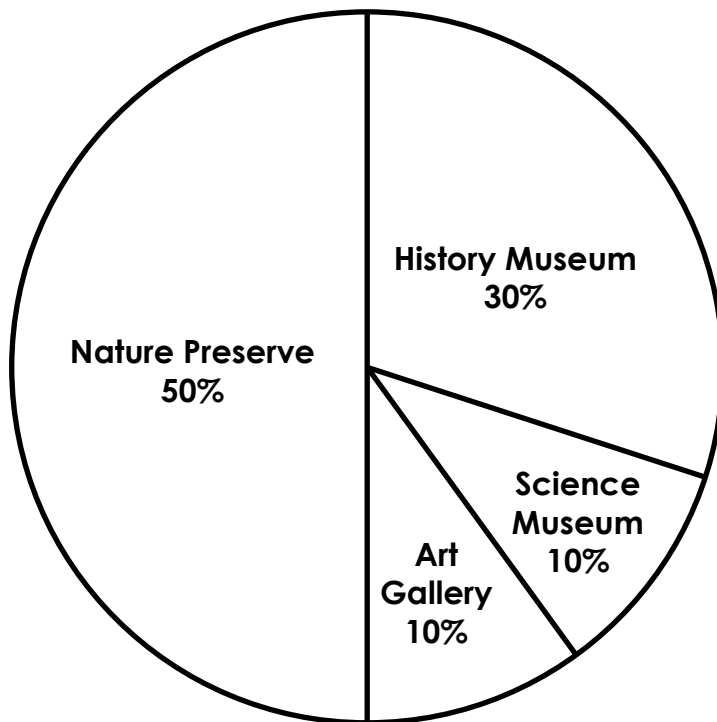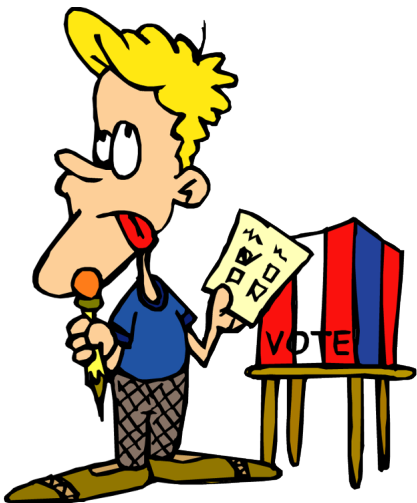
Art Gallery 10%

Complete the table below to show how many votes each choice received.

Destination	Number of Votes
History Museum	
Science Museum	
Art Gallery	
Nature Preserve	

1. How many more students chose the history museum than the science museum?

1. _____

2. How many students chose the nature preserve or the art gallery?

2. _____