Teacher(s): _Mrs. Breazeale_ & _Ms. DeBlanc_
Subject/Grade: 7th /Grade Math
Week of April 1, 2024
Domain: All
Lesson Plan Title: Probability

MATHEMATICS - Mississippi College and Career Readiness Standards for 7th Grade

ALL math standards!

ESSENTIAL QUESTION: What math vocabulary, skills, and strategies can I learn between now and April 23, 2024 in order to score Advanced or Proficient on the MAAP state test?

Date	Focus Question	Objective	I will...
4/1 M	School Holiday!	School Holiday!	School Holiday!
4/2 T	Mock MAAP Math Test	*TSTBAT* use a variety of strategies to solve real-world mathematical problems to score proficient on a 7th Grade Math Mock MAAP test	▽Use the content area vocabulary, skills, and strategies to solve real-world math problems. ▽Show my work on challenging problems. ▽Use my time wisely.
4/3 W	How will I use I ready to enhance my mathematical skills?.	*TSTBAT* complete two iReady lessons based on the most missed standard on the Mock MAAP test.	▽Use iReady to enhance my mathematical skills.
4/4 R	TBA	TBA	TBA
4/5 F	How will I use Math to enhance prodigy to enhance my mathematical skills?.	TSWBA solve practice MAAP style questions by playing prodigy.	▽ Complete 25 MAAP practice questions on prodigy.

April 2, 2024 (Tuesday)

<u>Before the test....</u>
- Gather materials: calculator, pencil, reference sheet, computer, and scratch paper.
- Once you receive your test, you may begin.

<u>During the test...</u>
- Answer all the questions you know how to answer first.
- Work out problems on scratch paper.
- Use your time wisely. (Everyone should spend at least 45 minutes working on this test.)

<u>After the test...</u>
- Look at the poster above the bulletin board, "I'm done, Now what?"
- Pick an activity off this poster. Do it SILENTLY!

April 3, 2024 (Wednesday)

Directions:

- Login to iready (Math).
- Complete the lesson titled, **"INSERT LESSON TITLE NAME"**
- Complete the lesson titled **"INSERT LESSON TITLE NAME."**
- PASS!
- <u>Take notes on lesson vocabulary</u> and <u>record at least 3 examples for each lesson.</u>
- Get 45 minutes total!
- This must be completed before class is over.

Lesson titles will be entered once the scores from the MOCK MAAP test are recorded.

April 4, 2024 (Thursday)

Review Mock MAAP Test

1 Joe's mom gave him $40 for cutting their grass. He used the money to buy a $10.75 game and two snacks that cost $3.25 each. Joe also bought a bouquet of flowers for his mom.

If Joe went home with $\frac{1}{4}$ of the money his mom gave him, how much did the flowers cost?

(A) $10.00

(B) $12.75

(C) $17.25

(D) $16.00

2 Kate conducts a survey at her middle school to determine the students' favorite sport. Which sampling method would best produce a representative sample of the population?

(A) Kate surveys the football team.

(B) Kate surveys seventh grade students.

(C) Kate surveys every 4th student entering the school.

(D) Kate surveys every 8th student from a roster of the choir members.

3 Lee mows $\frac{1}{3}$ of his lawn and uses $\frac{1}{2}$ gallon of gas. What fraction of the lawn can he mow per gallon?

(A) $\frac{1}{6}$

(B) $\frac{5}{6}$

(C) $\frac{2}{3}$

(D) $\frac{3}{2}$

4 Which expressions are equivalent to $\frac{1}{3} - \frac{2}{5}$? Select **two** that apply.

A $\frac{1}{3} + \left(-\frac{2}{5}\right)$

B $\frac{2}{5} + \left(-\frac{1}{3}\right)$

C $\frac{1}{3} - \frac{2}{5}$

D $\frac{1}{3} + \frac{2}{5}$

E $\frac{2}{5} - \frac{1}{3}$

5 Which expression is equivalent to $-2(x+4) - (3x+8)$?

(A) $5x + 16$

(B) $5x - 16$

(C) $-5x + 16$

(D) $-5x - 16$

6 Mrs. Kimble earns \$125 per week working at a furniture store. For each piece of furniture she sells, Mrs. Kimble earns an additional \$5. This week, she wants to earn more than \$500. If c is the number of pieces of furniture Mrs. Kimble sells, which inequality represents this situation, and what quantities are true for c?

(A) $5c + 125 > 500$ where $c > 75$

(B) $5c + 125 < 500$ where $c < 75$

(C) $125c + 5 > 500$ where $c > 4$

(D) $125c + 5 < 500$ where $c < 4$

7 A store marks up the merchandise it receives from the manufacturer by 25%. Which expressions can be used to determine the price the store charges when the manufacturer charges m dollars? Select **two** that apply.
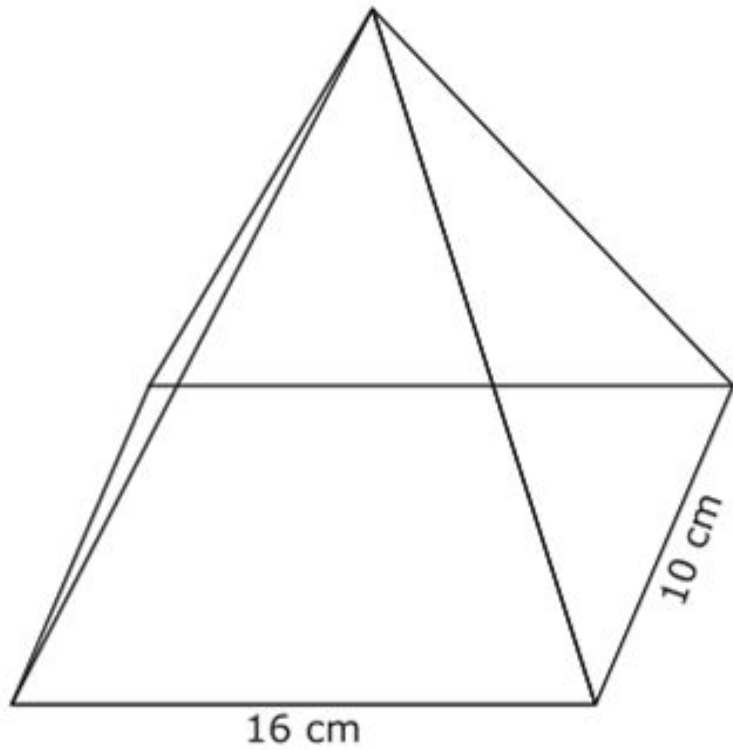
A $\quad 0.25m$

B $\quad 1.25m$

C $\quad m + 0.25$

D $\quad m + 0.25m$

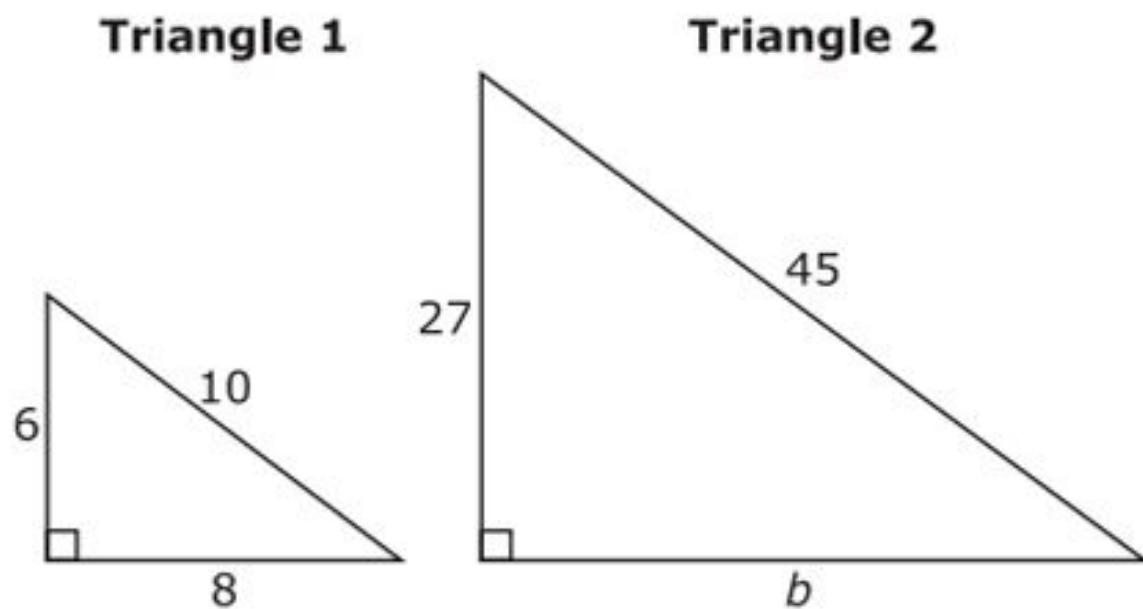E $\quad 1.25m + m$

8 A right rectangular pyramid is shown.

What two-dimensional figure results from vertically slicing the pyramid from its apex to its base?

(A) square

(B) triangle

(C) rectangle

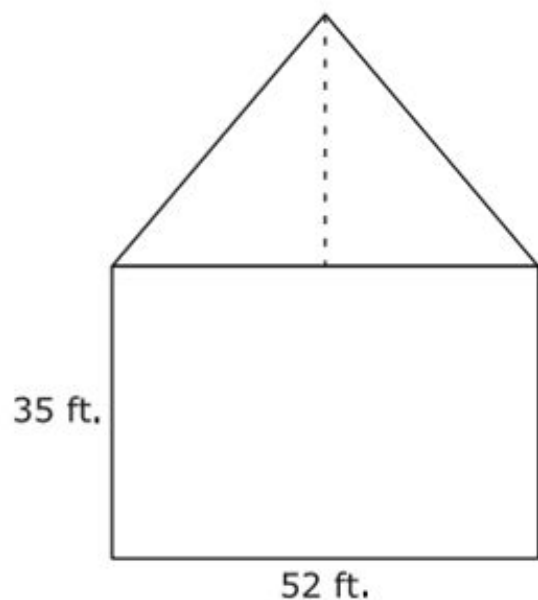(D) trapezoid

9 Triangle 2 is a scale drawing of Triangle 1.

Triangle 1   **Triangle 2**

Based on information in the diagram, what is the length of side b?

(A) 4.5

(B) 12.5

(C) 36.0

(D) 45.0

10 Mr. Thomas owns a rectangular property that is 52 feet long and 35 feet wide. He adds a new triangular property directly behind his existing property. The base length of the triangular property is equal to the length of the rectangular property. An aerial view of the whole property is shown.
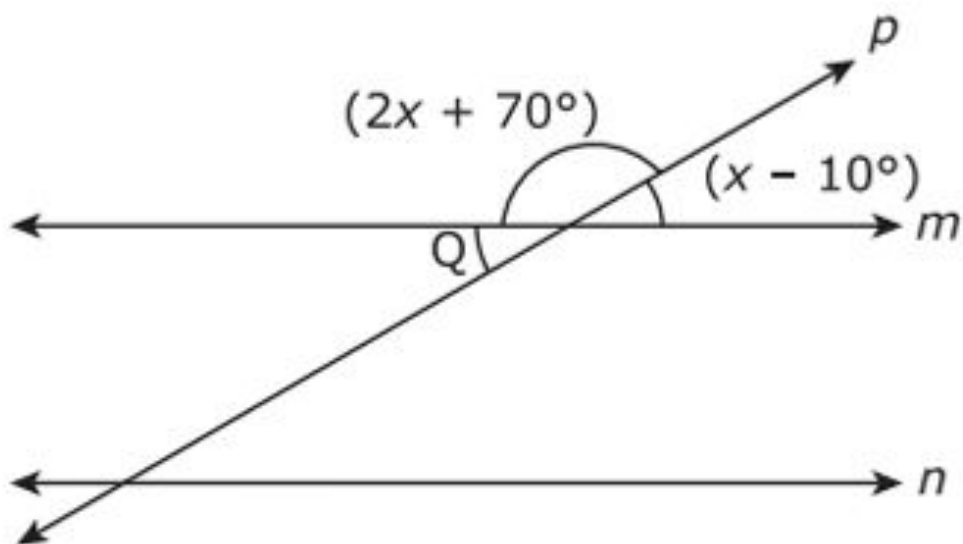

35 ft.

52 ft.

The area of the whole property is $2,600$ square feet. Based on the diagram, w hat is the maximum height, in feet, of the triangular property?

(A) 15.0 feet

(B) 22.3 feet

(C) 30.0 feet

(D) 44.3 feet

Line m and line n are parallel. They are intersected by line p as shown.

What is the measure of $\angle Q$?

(A) $10°$

(B) $30°$

(C) $40°$

(D) $90°$

12 Six years ago, Kelsey opened a savings account that earns 1.2% simple interest every year. She started the account with $600 and has not touched the account since. How much money is in the account now?

(A) $43.20

(B) $643.20

(C) $4,320.00

(D) $4,920.00

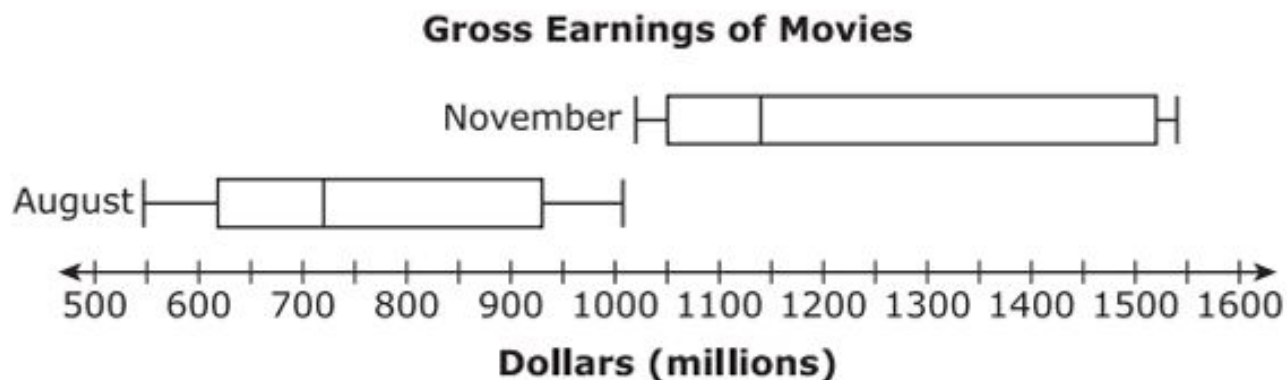**13** A random sample of 10 fish from two ponds was completed. The results are shown.

Length of Fish

Pond A (inches)	Pond B (inches)
20	12
6	10
15	22
5	14
10	11
11	11
12	12
9	11
5	12
17	19

Based on the samples, which statement best compares the length of the fish in each pond ?

(A) The fish in Pond A are generally longer and have less variability than the fish in Pond B.

(B) The fish in Pond A are generally longer and have greater variability than the fish in Pond B.

(C) The fish in Pond A are generally shorter and have less variability in length than the fish in Pond B.

(D) The fish in Pond A are generally shorter and have greater variability in length than the fish in Pond B.

14 The box plots compare the gross earnings, in millions of dollars, of movies during the months of August and November.

Gross Earnings of Movies

Dollars (millions)

Which statement correctly compares the two data sets?

(A) The median in August is about half of the median in November.

(B) The median in November is about 400 more than the median in August.

(C) The difference in the medians is about half of the range in November.

(D) The difference in the medians is about half of the interquartile range in August.

15 Which event is most likely to occur?

(A) tossing a fair coin and landing on heads

(B) spinning a 3 on a spinner divided into 4 equal sections numbered 1 through 4

(C) picking a red marble from a bag of marbles that contains 3 blue, 4 red, and 2 green marbles

(D) rolling a number cube that has sides numbered 1 through 6 and landing on a number less than 5

16 What is the value of the expression $-2\left(-\dfrac{7}{9} \div \dfrac{1}{3}\right)$?

(A) $-4\dfrac{2}{3}$

(B) $-2\dfrac{7}{27}$

(C) $1\dfrac{5}{9}$

(D) $4\dfrac{2}{3}$

17 Shawn is placing a fence around a circular garden with a 15-foot diameter. How many feet of fencing will Shawn need to buy to enclose the garden? Use 3.14 for π. Round the answer to the nearest foot.

(A) 47 feet

(B) 48 feet

(C) 177 feet

(D) 707 feet

18 A fair number cube, with numbers 1 through 6, was rolled 200 times. The number 5 was rolled 34 times. If the number cube was rolled 300 times, approximately how many times would the number 5 be rolled?

(A) 9 times

(B) 15 times

(C) 51 times

(D) 134 times

19 At $11:00$ p.m., the temperature in Alaska was $-5°$. Four hours earlier, the temperature was $40°$ warmer. What was the temperature at $7:00$ p.m.?

(A) $-45°$

(B) $-20°$

(C) $35°$

(D) $45°$

20 Which situation results in a solution of zero?

(A) Nicole walked 10 blocks north from her house to a friend's house. After visiting, Nicole walked 10 blocks south back to her house. How far was Nicole from her starting place?

(B) Shawn earned $42 from babysitting last Friday night. On Saturday, Shawn earned another $42 from babysitting. How much money did Shawn earn from babysitting?

(C) The record low temperature in a city is -12 degrees. Today, the temperature is 12 degrees. What is the difference between the record low and today's temperature?

(D) A building has 5 floors above ground and 5 floors below ground. An elevator descended 5 floors below ground. The elevator then rose 5 floors. How far was the elevator from the top floor?

April 5, 2024 (Friday)

Directions:
- Login to Prodigy (Math).
- Complete <u>at least</u> 25 MAAP style problems.
- Look at the blue light bulbs if you need help. (Take Notes on this information before you ask for help.)

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Remediation & Enrichment

	Thursday	Friday
B25	**Activity:** Work with a small group reviewing most missed skills on the MOCK MAAP Test. **Teacher:** *Ms. DeBlanc*	**Activity:** Work with a small group reviewing most missed skills on the MOCK MAAP Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*
Bubbles	**Activity:** During the review, ask students HOT questions about the most missed skill on the MOCK MAAP test. **Teacher:** *Mrs. Breazeale*	**Activity:** Work with a small group reviewing most missed skills on the MOCK MAAP Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*
T25	**Activity:** During the review, ask these students to teacher certain questions. **Teacher:** *Mrs. Breazeale*	**Activity:** Work with a small group reviewing most missed skills on the MOCK MAAP Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*

Mock MAAP Test Student Results

	1st Period	3rd Period	4th Period	5th Period	7th Period
Rubies 0 - 40%					
Amethyst 41 -60%					
Emeralds 61-70%					
Sapphires 71-100%					