



45°-45°-90° & 30°-60°-90° TRIANGLES

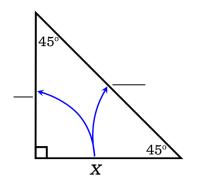
Frequency:

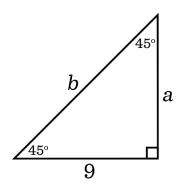


Save time when working with right triangles by memorizing the ratios between sides in 45-45-90 and 30-60-90 triangles.

ı. 45°-45°-90° Triangles

The ratios between sides in a 45°-45°-90° triangle are _____.

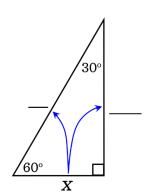


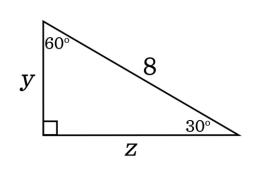


a = _____

II. 30°-60°-90° Triangles

The ratios between sides in a 30°-60°-90° triangle are ______.

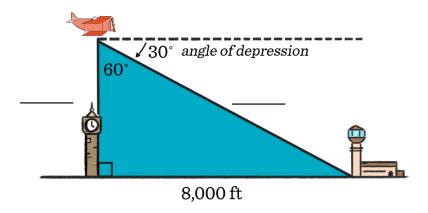




y = _____

z = ____

HOW WILL THIS LOOK ON THE ACT?





PROBABILITY

Frequency:

If all outcomes are equally likely,...

Probability of event A = -

I. Simple Probability

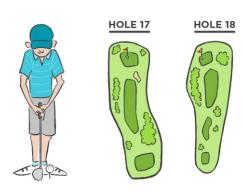
Diana rolls two dice. What is the probability she rolls a sum of 5?

Possible Outcomes:

?	1,1 1,2 1,3 1,4 1,5 1,6 2,1 2,2 2,3 2,4 2,5 2,6	How many outcomes have a sum of 5?
	3,1 3,2 3,3 3,4 3,5 3,6	
2 2	4,1 4,2 4,3 4,4 4,5 4,6	P(sum of 5) =
: :	5,1 5,2 5,3 5,4 5,5 5,6	P(Sulli 01 5) =
	6,1 6,2 6,3 6,4 6,5 6,6	

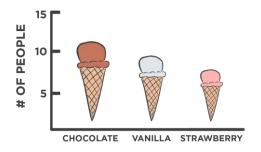
II. Probability of Multiple Events

Based on past performances, what is the probability Victor birdies both holes 17 and 18?



P(birdie on both holes) =

HOW WILL THIS LOOK ON THE ACT?



P(vanilla or chocolate) =





MISPLACED MODIFIERS

Frequency:

I. Logical Placement

Just as adjectives are placed right beside the r	nouns they describe, other modifiers are also
best placed	they are describing.
INCORRECT: The tourists snapped pictures	of the large rhino in the jeep.
CORRECT: The tourists	snapped pictures of the large rhino.
II. Dangling Modifiers	
When sentences begin with a description, be	careful not to leave a
Identify the	_ immediately after the introduction.

CORRECT: Floating in the river, _____ watched for prey.

INCORRECT: Floating in the river, the zebra watched for crocodiles.



PRONOUN-ANTECEDENT AGREEMENT

Freq	uency Rating:	
Pronoi subjec	_	, just like verbs must agree with their
Raf	ting the Colorado River is fun	swift water makes for quite an adventure.
agreen	ls the Antecedent	ors when determining pronoun-antecedent or? have spent years honing their skills.
П.	Is the Antecedent a	or an?
	ite's El Capitan is a mecca for rock e rs ,	
sleepo	n its steep face during the long asc	/ (2//)/
		ent.
	on its steep face during the long asc	, not a which or a that!)





INFERENCE ITEMS

Frequency per passage:

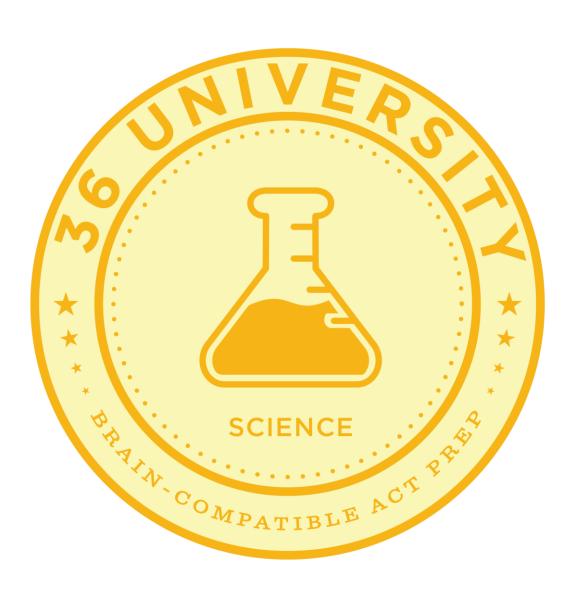
Inference items are slightly more difficult than the "direct from text" items because the
correct answer choice will be, but not stated explicitly.
I. What Do These Items Look Like?
The passage most strongly WHAT
It can reasonably be suggested
The character would most
with
II. How to Handle These Items
Inference items require you to understand what is in the text
but isn't stated explicitly. The text will have built a case for one of the given answers.
If needed, the specified text to identify the supported conclusion.



DOUBLE PASSAGES

Frequency: 1 passage

Expect one of the four reading s	sets to have
instead of one larger passage.	
I. Dealing with the	Passages Separately
The questions accompanying the	he texts will be divided into sets.
ask questions about the	about the; the second set will, and the third set of questions will ask between the passages.
You may want to read the	and answer the first set of questions
before reading the second pass	age and answering the second and third question sets.
II. Connections Bety	ween the Passages
The last set of questions consis	ets of a few items that will ask you to synthesize information
from both texts.	
Look for the	between the passages
	? If so, expect to be asked about the displayed in the texts.
Do the passages cover the	?
Is there a	that appears in both passages?





DATA IN DIFFERENT FORMS

Frequency:	W	

Data can be displayed in many different forms like ______, _____, and

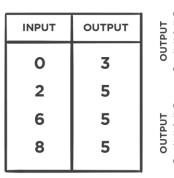
You need to be able to match data from tables with their corresponding graphs...

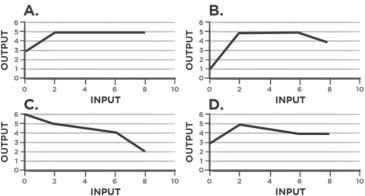
I. From Table to Points to Graph

Match the data from the following table with the corresponding graph.

Step 1: Recognize the values as _______

Step 2: Plot the ordered pairs to ______ graphs that don't match the data.





II. From Categorical Data to Bar Graphs

Practice making a bar graph from the categorical data.

VEGGIE	HARVEST (lbs.)	
OKRA	15	
CORN	75	
BELL PEPPERS	22	

	OKI	 CORN	DELL	PEPPERS
-				
-				



MULTIPLE Y-AXES

Frequency:

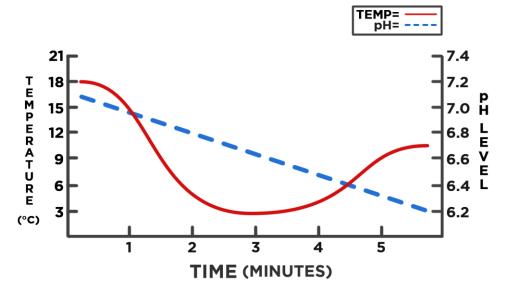
Often, one set of input values is paired with more than one set of ______

How Should You Handle Multiple Y-Axes Graphs?

Step 1: Utilize the Key

Use the key to match the graphs with their ______

Step 2: Read Data Values



Can you find the pH reading at the two-minute mark? (Draw in arrows to find the pH value!)

At the 2-minute mark, the pH reads ______.

The temperature was 6 degrees Celsius at what time(s)?

The temperature was 6 °C between ____ and ____ minutes and between ____ and ____ minutes.