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## **Spreadsheet Applications**

*Spreadsheet skills are necessary to convert data to information in business. This event recognizes FBLA members who demonstrate that they have acquired skills for spreadsheet development in business.*

### **Competencies**

This event is composed of two parts: an objective test and a production test.

A one (1) hour objective test will be administered based on the objective test competencies. The score received on this portion of the event will constitute 15 percent of the final event score.

One (1) hour will be given for the production tests at a school site designated by the executive director. The score received on this portion of the event will constitute 85 percent of the final event score.

The objective test can include questions on formulas, functions, graphics, charts, reports, pivot tables and advanced tools. Questions can also relate to macros and templates, filters and extraction of data, format and print options, as well as a general understanding of the purpose of spreadsheets.

For the production test, participants should be well prepared in basic mathematical concepts as well as data organization concepts. Participants should be prepared to utilize data by creating formulas, using functions, generating graphs for analysis purposes, using pivot tables, creating macros, and using filters and extracting data.

#### **Career Cluster(s):**

Business, Management and Administration; Information Technology

#### **Business Education Curriculum Standard(s):**

Computation, Information Technology

### **Region Eligibility**

Each local chapter may enter one participant. The participant must be a member of an active local chapter and is on record in the Pennsylvania state and the FBLA-PBL national offices as having paid dues by January 31. If the region conference is scheduled before January 31, then dues must be paid prior to that conference date as established by the region and posted on the PA FBLA web site.

*Participants are permitted to compete in this event one year only. Under no circumstances may a student repeat in this event.*

The participant is required to take both the objective and production tests. Otherwise, the participant will be disqualified.

It is the responsibility of the:

#### **local chapter adviser**

- to pay membership dues for all competitors by the published region deadline and to register students through the PA FBLA online registration system by the published deadline.

#### **region adviser**

- to verify that membership dues of participants at the region conference comply with the deadlines listed above.

### **State Eligibility**

The minimum number of competitors each region may enter is the first- and second-place winners who are members of active local chapters and are on record in the Pennsylvania state and the FBLA-PBL national offices as having paid dues by January 31 or prior to the region conference by the date posted on the PA FBLA web site.

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The participant is required to take both the objective and production tests. Otherwise, the participant will be disqualified.

If the eligible winner(s) cannot attend the SLC, it is the responsibility of the:

**local chapter adviser**

- to contact the region adviser about the student who will not be attending.

**region adviser**

- to contact the adviser of the next eligible competitor about participating at the State Leadership Conference.
- to notify the PA FBLA Executive Director/State Chairman of the change before the deadline date published at [www.pafbla.org/importantdates.php](http://www.pafbla.org/importantdates.php), which is posted on the PA FBLA web site.

## **Region Procedure—Production Testing**

The following procedures must be used:

1. The production tests will be provided to the school-site test administrator at each school. The Proctor Instructions, Proctor Script, Proctor Certification Forms, and Student Certification Forms will be provided.
2. **The local chapter adviser is not permitted to be the school-site administrator.**
3. One **continuous** hour will be allowed for the skills test at the school testing site. Additional time will be allowed for general directions, equipment set up, and warm up. Problems are weighted according to difficulty and may be completed in any order. No reference materials or calculators are allowed.
4. The region adviser, in consultation with the remaining local chapter advisers, must determine the procedure for returning the school-site tests to the region adviser.
5. Documents produced for this event must be prepared by the participant without help from the adviser or any other person.
6. No reference materials are allowed.
7. Calculators are not allowed on the production portion of the test.

## **Region Procedure—Objective Test**

1. A one-hour written objective test will be administered on the day of the RLC based on the areas described in the Competencies section listed above and basic skills knowledge. All participants in this event must report at the event time listed in the program. **If a participant arrives after the objective test has begun, he or she will be admitted to the testing area and will be permitted to take the test in the remaining amount of time for the event. The participant will not receive any additional instructions from the event administrators.**
2. **The participant must comply with the PA FBLA Dress Code which can be found at [www.pafbla.org/dresscode.php](http://www.pafbla.org/dresscode.php). If the participant does not comply, the participant will not be admitted to the testing area until he or she is in compliance.**
3. No other equipment or materials are permitted in this event.

## **State Procedure—Production Testing**

The following procedures must be used:

1. The region adviser must submit the names of the RLC eligible winners on the Regional Winners Reporting Form to the PA FBLA Executive Director/State Chairman. The school-site test administrator for each eligible winner must be listed on the Regional Winners Reporting Form. **The local chapter adviser is not permitted to be the school-site administrator.**

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2. The production tests will be provided to the school-site test administrator at each school. The Proctor Instructions, Proctor Script, Proctor Certification Forms, and Student Certification Forms will be provided.
  3. If at any time during this process it is determined that the student will not be taking the test, the test administrator must notify the PA FBLA Executive Director/State Chairman IMMEDIATELY. The PA FBLA Executive Director/State Chairman will contact the next eligible competitor.
  4. One **continuous** hour will be allowed for the skills test at the school testing site. Additional time will be allowed for general directions, equipment set up, and warm up. Problems are weighted according to difficulty and may be completed in any order. No reference materials or calculators are allowed.
  5. Documents produced for this event must be prepared by the participant without help from the adviser or any other person.
  6. No reference materials are allowed.
  7. Calculators are not allowed on the production portion of the test.

### **State Procedure—Objective Test**

1. A one-hour written objective test will be administered at the SLC based on the areas described in the Competencies section listed above and basic skills knowledge. All participants in this event must report at the event time listed in the program. **If a participant arrives after the objective test has begun, he or she will be admitted to the testing area and will be permitted to take the test in the remaining amount of time for the event. The participant will not receive any additional instructions from the event administrators.**
2. The participant must comply with the PA FBLA Dress Code which can be found at [www.pafbla.org/dresscode.php](http://www.pafbla.org/dresscode.php). **If the participant does not comply, the participant will not be admitted to the testing area until he or she is in compliance.**
3. At the State Leadership Conference, the chapter adviser must confirm students' participation in the event. Participants who are not confirmed will be disqualified.
4. No other equipment or materials are permitted in this event.

### **Region and State Judging**

This event will be scored in the following manner:

- 15% objective test score
- 85% production test (school-site test) score

Judging of the production test will be based on the participant's printed copy. A panel of judges will evaluate the documents, and all decisions of the judges are final.

All objective tests will be graded through the online test service. If there is a tie between competitors, the last ten (10) test questions will be compared and the individual/team with the highest number of correct answers will be ranked higher. The process will continue in groups of ten (10) questions until the tie is broken. If, after reviewing the entire test, the tie cannot be broken, the individual/team submitting the test in the least amount of time will be ranked higher.

Tiebreaker implementation examples can be found in this handbook or at [www.pafbla.org/tiebreakers.php](http://www.pafbla.org/tiebreakers.php).

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## **Region Awards**

Each region may decide the number and type of awards to be presented at the RLC.

## **State Awards**

The state chapter will present a maximum of ten (10) awards at the State Leadership Conference.

## **National Conference Eligibility**

The first- and second-place award winners at the State Leadership Conference are eligible to attend the National Leadership Conference. Advisers and participants should refer to the latest edition of the National Chapter Management Handbook for official National Leadership Conference event guidelines.

In the event that the first- or second-place winner cannot attend, it is the responsibility of the:

### **local chapter adviser**

- to contact the PA FBLA Executive Director/State Chairman about the student who will not be attending.

### **PA FBLA Executive Director/State Chairman**

- to contact the next eligible award winner about participating at the National Leadership Conference.

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USE THE FOLLOWING METHOD TO DETERMINE THE FINAL  
SCORE FOR THIS COMPETITOR

## Spreadsheet Applications

Total Points Received on the Production Portion \_\_\_\_\_  
Multiplied by x .85  
Equals Final Score on Production Test ..... (a) \_\_\_\_\_  
Objective Test Score \_\_\_\_\_  
Multiplied by x .15  
Equals Final Score on Objective Test..... (b) \_\_\_\_\_  
ADD (a) AND (b) FOR FINAL SCORE..... (c) \_\_\_\_\_

Names: \_\_\_\_\_

Region: \_\_\_\_\_ School: \_\_\_\_\_

Judge's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Judge's Comments:

VERIFICATION & INITIALS  
(scores checked for accuracy)

- Co-Competitive Events Coordinator \_\_\_\_\_  
 Chief Administrator \_\_\_\_\_  
 Official Checker \_\_\_\_\_