

Grammar Checker Program Instructions: Writing Descriptions of Ratios

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www.StatLit.org/pdf/2010StatLit-GC-PPT-Instructions-Write-Describe.pdf

Goal and Approach

Goal: Help users write accurate statements about percentages, rates and ratios as presented in statements, tables and graphs. To do so by using a web-based drill program with immediate feedback

Approach:

- Use Internet Explorer as your browser.
Do not use Firefox, Safari and Chrome.
- Go to www.StatLit.org/gc.
- Print the Writing Descriptions Powerpoint Handout 6up.

Print Handout; Listen to Audio

Select *Writing Descriptions*

READING DRILLS:

PROGRAM > Identifying part & whole in descriptions of percentages & rates* (Ch 4)

* as presented in statements, pie charts, bar graphs and tables.

- Program documentation:
1. Video Demo (SWF) [4.7 mb, 70 sec download] Video Instructions Text
 2. PowerPoint Demo with Audio (slides 6-11). [1.9 mb, 14 sec download]
 3. PowerPoint Handout 6up

PROGRAM > Identifying part & whole, test and base in comparisons of percentages & rates* (Ch 5)

* as presented in statements, pie charts, bar graphs and tables.

- Program documentation:
1. Video Demo (SWF) [0.0 mb, 00 sec download] Video Instructions Text
 2. PowerPoint Demo w/o Audio (1.6 mb; 13 sec download)
 3. PowerPoint Handout 6up

WRITING DRILLS:

PROGRAM > Writing descriptions of percentages & rates as presented in tables & graphs (Ch 4)

- Program documentation:
1. Video Demo (SWF) [2.7 mb, 20 sec download] Video Instructions Text
 2. PowerPoint demo w/o Audio (1.2 mb, 11 sec download)
 3. PowerPoint Handout 6up Audio description (mp3).

PROGRAM > Writing comparisons of percentages & rates as presented in tables & graphs (Ch 5)

- Program documentation:
1. Video Demo (SWF) [0.0 mb, 00 sec download] Video Instructions Text
 2. PowerPoint Demo w/o Audio (0.9 mb, 9 sec download)
 3. PowerPoint Handout 6up Audio description (mp3)

Procedure: Six Steps

1. Enter your user name
2. Select problem type. Study the problem task.
3. Write your answer
4. Press **Analyze Answer**. Review program feedback.
Options: More detail; Check Ps & Ws; Show answer
5. To get a new problem, press **New Problem**.
Change problem selection options as needed
Repeat steps 2-4 until answer is correct.
6. Press **Exit** to leave

Step 1: Enter User Name

Step 2: Select Problem Type

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

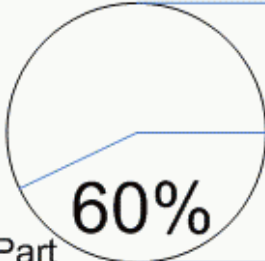
Activity: Describe Compare

Answer grammar: # % of/is Percentage

New Problem

User name (opt):

Whole: *Male college students*



Part **60%** *Business Majors*

Generate a description from the pie chart using 'percent of/is' grammar.

Answers:

Correct:

=== Erase this message, type your answer here and then Press the "Analyze Answer" button. ===

Analyze Answer

Relevant problem types for writing descriptions:
 Number type: Ratios
 Source: Pie Chart, Statement, Table, Bar Graph
 Answer grammar: % of, Percentage

Step 3: Study Problem

Enter Answer in text box

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage

New Problem

User name (opt) Milo Schield

Whole: *Male college students*

Part *60%* *Business Majors*

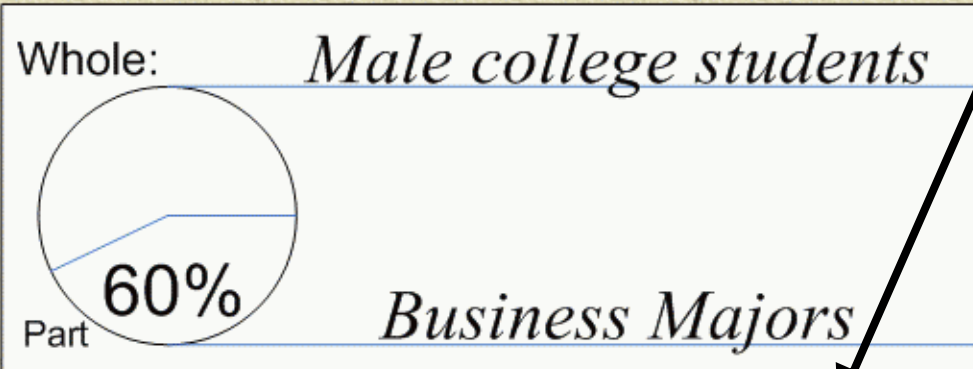
Generate a description from the pie chart using 'percent of/is' grammar.

Answers: 0

Correct: 0

60% of business majors are male college students

Analyze Answer



Category	Percentage
Male college students	60%
Business Majors	40%

#4: Press *Analyze Answer* Decode Analysis

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

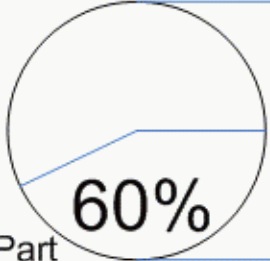
Activity: Describe Compare

Answer grammar: # % of/ is Percentage

New Problem

User name (opt):

Whole: *Male college students*



Part **60%** *Business Majors*

Generate a description from the pie chart using 'percent of/ is' grammar.

Answers:

Correct:

60% of business majors are male college students

Analyze Answer

More Detail

Analyze Ps & Ws

Answer Analysis from last 'Analyze Answer'/'More Detail' click

User Comment on Analysis (Opt)

At least one determiner word found in an incorrect slot!

#4A: Press "More Detail" Analyze Detailed Analysis

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage

User name (opt):

New Problem

Whole: *Male college students*

Part: *60%* *Business Majors*

Generate a description from the pie chart using 'percent of/is' grammar.

Answers: 1

Correct: 0

60% of business majors are male college students

Analyze Answer

More Detail

Analyze Ps & Ws

Answer Analysis from last 'Analyze Answer'/'More Detail' click

User Comment on Analysis (Opt)

'business' found in the wrong kind of slot!
'majors' found in the wrong kind of slot!
'male' found in the wrong kind of slot!
'college' found in the wrong kind of slot!
'students' found in the wrong kind of slot!

Store Comment

Analyzed Answer: 60% of business majors are male college students

Show an Answer

Exit

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#4B: Press Analyze P's and W's

Optional: Analyze Results

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

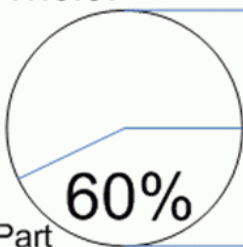
Activity: Describe Compare

Answer grammar: # % of/is Percentage

New Problem

User name (opt):

Whole: *Male college students*



Part **60%** *Business Majors*

Generate a description from the pie chart using 'percent of/is' grammar.

Answers:

Correct:

60% of business majors are male college students.

Analyze Answer
More Detail
Analyze Ps & Ws

Answer Analysis from last 'Analyze Answer'/'More Detail' click

At least one determiner word found in an incorrect slot!

User Comment on Analysis (Opt)

Store Comment

Your Parts & Wholes:

Parts and wholes from your answer: "business", "majors", are in whole slots; "male", "college", "students", are in part slots.

Show an Answer

Exit

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#4C: Press "Show an Answer"

Optional: Study Answer

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

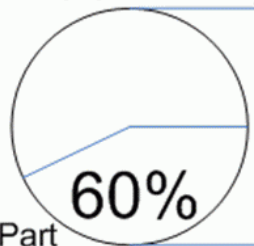
Activity: Describe Compare

Answer grammar: # % of/is Percentage

New Problem

User name (opt):

Whole: *Male college students*



Part: *Business Majors*

Generate a description from the pie chart using 'percent of/is' grammar.

Answers: # Correct:

60% of business majors are male college students

Analyze Answer
More Detail
Analyze Ps & Ws

Answer Analysis from last 'Analyze Answer'/'More Detail' click

User Comment on Analysis (Opt)

At least one determiner word found in an incorrect slot!

Store Comment

A Correct Answer:

Show an Answer

Among college students, 60% of males are business majors.

Exit

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#5 Get New Problem

#3-4: Write; Analyze Answer

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage

User name (opt):

New Problem

Whole: *College students*
Business majors

Part: *75%*
Male

Generate a description from the pie chart using 'percent of/is' grammar.

Answers:

Correct:

Among college students, 75% of business majors are male

Analyze Answer

Analyze Ps & Ws

Answer Analysis from last 'Analyze Answer'/'More Detail' click

User Comment on Analysis (Opt)

No problems found.

5: Select Different Problem Types

Activity: Describe

Number type: Ratios

Select from Sources:

- Pie Chart
- Bar Graph
- Table: 100%, full 2-way or missing half-table
- Statement: Percent (%), Percentage or Prevalence

Select Answer Grammar: Percent or Percentage*

* Allows Rate grammar for bar graphs & tables

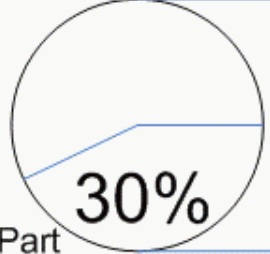
#5a Source: Pie Chart

Answers: Percentage Grammar

Number type: Just #s #s w/ % Ratios
 Source: Pie Chart Statement Table Bar Graph
 Activity: Describe Compare
 Answer grammar: # % of/is Percentage

User name (opt):

Whole: *College students*



Part **30%**

Male Business majors

Generate a description from the pie chart using 'percentage' grammar.

Answers:

Correct:

Answer Analysis from last 'Analyze Answer'/'More Detail' click

User Comment on Analysis (Opt)

#5b Source: Bar Graph

Answer: % Grammar

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage Rate

User name (opt):

Describe the 60% using 'percent of/is' grammar.

**Percentage of Business Majors
among College Students**

Gender	Percentage
Female	20%
Male	60%

Answers:

Correct:

Analyzed Answer:

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#5c Source: Table (100%)

Answer: Percentage Grammar

Number type: Just #s #s w/ % Ratios

Table Margin: 100% Full Missing New Problem

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage Rate

User name (opt):

College Students			
MAJOR	Male	Female	TOTAL
Business	60%	20%	40%
Economics	10%	50%	30%
MIS	30%	30%	30%
TOTAL	100%	100%	100%

Describe the circled 20% using 'percentage' grammar.

Answers:

Correct:

Analyze Answer

Analyzed Answer:

Show an Answer Exit

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#5d Source: Table (Full)

Answer: Percentage Grammar

Number type: Just #s #s w/ % Ratios

Table Margin: 100% Full Missing New Problem

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage Rate

User name (opt):

Percentage of workers who are unemployed			
	Men	Women	ALL
Whites	2.50	1.50	2.00
Blacks	1.50	1.00	1.25
Other	1.00	0.50	0.75
ALL	5.00	3.00	4.00

Describe the circled 1.5% using 'percentage' grammar.

Answers:

Correct:

Analyze Answer

Analyzed Answer:

Show an Answer

Exit

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#5e Source: Statement

Answer: Percent Grammar

Number type: Just #s #s w/ % Ratios

Source: Pie Chart Statement Table Bar Graph

Activity: Describe Compare

Answer grammar: # % of/is Percentage

Source grammar: Percentage Prevalence

User name (opt):

New Problem

Among college students who are males, the percentage of business majors is 60%.

Rephrase the given description statement using 'percent of/is' grammar.

Answers:

Correct:

Analyze Answer

Analyzed Answer:

Show an Answer

Exit

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Conclusion

Drill on things until you get fairly good.
Then move on. Come back later for a re-test.
To record your work, press EXIT to leave the
program. Do not exit by entering a URL.

You can enter your name any time in the session.
You can repeat this program as often as you want.
This program does not have a spell-check.
Always check your spelling.