

Reading Components: Sample Sentence Processing Items

For Sentence Processing items, respondents are asked to make a sensibility judgment about a sentence with respect to the real world or the internal logic of the sentence. The respondent reads the sentence and selects YES if the sentence makes sense or NO if the sentence does not make sense.

Sample Sentences:

Three girls ate the song.	YES	NO
The man drove the green car.	YES	NO
The lightest balloon floated in the bright sky.	YES	NO
A comfortable pillow is soft and rocky.	YES	NO
A person who is twenty years old is older than a person who is thirty years old.	YES	NO

Reading Components: Sample Passage Comprehension Items

For Passage Comprehension items, respondents are asked to read a passage and select the word in each presented pair that makes each sentence in the passage make sense.

Sample Passage:

To the editor: Yesterday, it was announced that the cost of riding the bus will increase. The price will go up by twenty percent starting next wife / month. As someone who rides the bus every day, I am upset by this foot / increase. I understand that the cost of gasoline / student has risen. I also understand that riders have to pay a fair price / snake for bus service. I am willing to pay a little more because I rely on the bus to get to object / work. But an increase / uncle of twenty percent is too much.

This increase is especially difficult to accept when you see the city's plans to build a new sports stadium. The government will spend millions on this project even though we already have a science / stadium. If we delay the stadium, some of that money can be used to offset the increase in bus fares / views. Then, in a few years, we can decide if we really do need a new sports cloth / arena. Please let the city council know you care about this issue by attending the next public meeting / frames.

Numeracy Components: Sample “How many” item

Respondents are asked to identify the quantity of real-life objects pictured in the stimulus.


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How many?

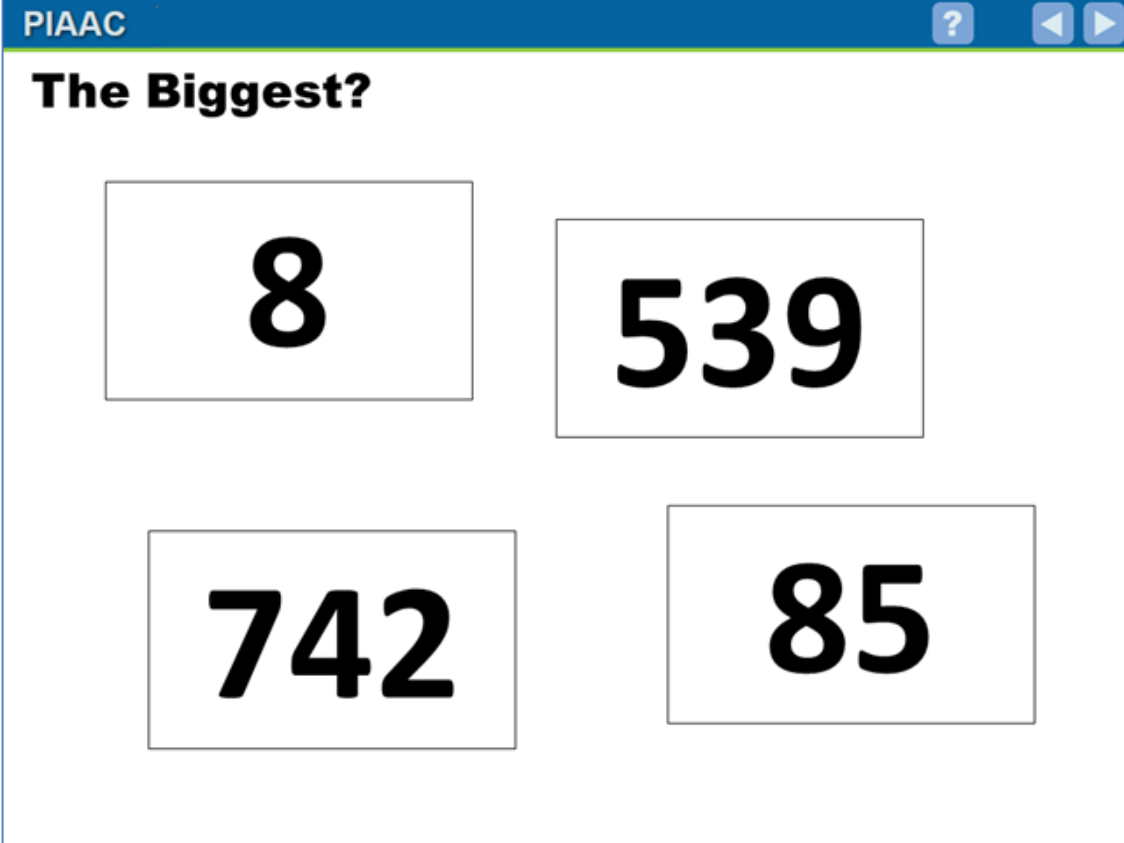


12345678910

11121314151617181920

Numeracy Components: Sample “Which is biggest” item

Respondents are asked to compare the presented numerical representations and identify the biggest number in the set.



The image shows a computer screen displaying a PIAAC (Programme for International Assessment of Adult Competencies) sample item. The window has a blue title bar with the text "PIAAC" on the left and three icons (a question mark, a left arrow, and a right arrow) on the right. Below the title bar, the question "The Biggest?" is displayed in bold black text. The question area contains four white rectangular boxes, each with a black border, arranged in a 2x2 grid. The top-left box contains the number "8", the top-right box contains "539", the bottom-left box contains "742", and the bottom-right box contains "85".

PIAAC

The Biggest?

8

539

742


85

Literacy – Sample Item 1

This first literacy sample focuses on the following aspects of the literacy construct:


<i>Cognitive Process</i>	<i>Access and identify</i>
<i>Context</i>	<i>Personal</i>
<i>Medium</i>	<i>Print</i>

For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 3 item. Respondents are asked to answer the question shown in the left pane by highlighting information in the list of rules for a preschool.



Look at the list of preschool rules. Highlight information in the list to answer the question below.

What is the latest time that children should arrive at preschool?



Preschool Rules

Welcome to our Preschool! We are looking forward to a great year of fun, learning and getting to know each other. Please take a moment to review our preschool rules.

- Please have your child here by 9:00 am.
- Bring a small blanket or pillow and/or a small soft toy for naptime.
- Dress your child comfortably and bring a change of clothing.
- Please no jewelry or candy. If your child has a birthday please talk to your child's teacher about a special snack for the children.
- Please bring your child fully dressed, no pajamas.
- Please sign in with your full signature. This is a licensing regulation. Thank you.
- Breakfast will be served until 7:30 am.
- Medications have to be in original, labeled containers and must be signed into the medication sheet located in each classroom.
- If you have any questions, please talk to your classroom teacher or to Ms. Marlene or Ms. Tree.

Literacy – Sample Item 2

Sample 2 focuses on these aspects of the literacy construct:

<i>Cognitive Process</i>	<i>Access and identify</i>
<i>Context</i>	<i>Personal</i>
<i>Medium</i>	<i>Print</i>

For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 2 item. In this sample item, respondents are asked to click on the chart with information about exercise equipment to mark their response. Each of the cells and all of the images are “clickable” and multiple responses can be selected.

Look at the exercise equipment chart. Click on the chart to answer the question below.

Which muscles will benefit most if you use the gym bench?

Physical Exercise Equipment

How to choose?

- Decide what effect you want the exercise to have on your body.
- Assess the space you have available at home.
- Choose the equipment that suits your objectives. If necessary ask a specialist for advice.

For example:

OBJECTIVE	STRATEGY	EQUIPMENT
Burn off calories	Cardiovascular exercises	Rowing machine, Bicycle, Skimachine, Treadmill, Stairs,
Strengthen your muscles	Endurance exercises	Bench for Press-ups, Weights and Dumbbells, Elastic Tubes,


Effects on...	Cardio-Training					Muscle Building							
	Exercise bicycle	Rowing machine	Stepper	Tread-mill	Air trainer	Dumb-bells, weights	Elastic	Gym bench	Muscle-building bench	Multi-trainer	AB trimmer	AB shaper	AB roller
Arm strength	Ineff-ective	Good	Average	Ineff-ective	Good	Very good	Very good	Good	Good	Good	Very good	Good	Good
Leg strength	Good	Very good	Average	Very good	Good	Ineff-ective	Good	Average	Good	Good	Ineff-ective	Good	Good
Abdominal muscles	Average	Very good	Good	Good	Average	Ineff-ective	Good	Very good	Good	Average	Very good	Very good	Very good
Overall muscle building	Ineff-ective	Very good	Ineff-ective	Average	Ineff-ective	Average	Good	Good	Good	Average	Good	Good	Good
Heart/arteries	Very good	Good	Very good	Very good	Good	Ineff-ective	Average	Average	Average	Good	Average	Average	Average
Flexibility	Ineff-ective	Good	Ineff-ective	Ineff-ective	Average	Average	Average	Good	Ineff-ective	Ineff-ective	Average	Good	Good
Joints	Good	Very good	Good	Good	Good	Good	Average	Average	Good	Good	Average	Average	Average
Slimming	Good	Average	Very good	Good	Good	Ineff-ective	Average	Good	Average	Average	Good	Good	Good
Dangers	None	Back	None	Legs		It is best to learn to use these types of apparatus properly before you make a major effort							

Literacy – Sample Item 2, continued


Most of the literacy items have more than one question associated with each stimulus. A second item in the Exercise Equipment set, shown below in Figure 3, focuses on the following aspects of the literacy construct:

<i>Cognitive Process</i>	<i>Integrate and interpret</i>
<i>Context</i>	<i>Personal</i>
<i>Medium</i>	<i>Print</i>

For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 2 item.




Physical Exercise Equipment



Look at the exercise equipment chart. Click on the chart to answer the question below.

Which piece of equipment listed received the largest number of "Ineffective" ratings?



How to choose?

- Decide what effect you want the exercise to have on your body.
- Assess the space you have available at home.
- Choose the equipment that suits your objectives. If necessary ask a specialist for advice.

For example:

OBJECTIVE	STRATEGY	EQUIPMENT
Burn off calories	Cardiovascular exercises	Rowing machine, Bicycle, Skimachine, Treadmill, Stairs, ...
Strengthen your muscles	Endurance exercises	Bench for Press-ups, Weights and Dumbbells, Elastic Tubes, ...

Effects on...	Cardio-Training					Muscle Building							
	Exercise bicycle	Rowing machine	Stepper	Treadmill	Air trainer	Dumbbells, weights	Elastic	Gym bench	Muscle-building bench	Multi-trainer	AB trimmer	AB shaper	AB roller
Arm strength	Ineffective	Good	Average	Ineffective	Good	Very good	Very good	Good	Good	Good	Very good	Good	Good
Leg strength	Good	Very good	Average	Very good	Good	Ineffective	Good	Average	Good	Good	Ineffective	Good	Good
Abdominal muscles	Average	Very good	Good	Good	Average	Ineffective	Good	Very good	Good	Average	Very good	Very good	Very good
Overall muscle building	Ineffective	Very good	Ineffective	Average	Ineffective	Average	Good	Good	Good	Average	Good	Good	Good
Heart/arteries	Very good	Good	Very good	Very good	Good	Ineffective	Average	Average	Average	Good	Average	Average	Average
Flexibility	Ineffective	Good	Ineffective	Ineffective	Average	Average	Average	Good	Ineffective	Ineffective	Average	Good	Good
Joints	Good	Very good	Good	Good	Good	Good	Average	Average	Good	Good	Average	Average	Average
Slimming	Good	Average	Very good	Good	Good	Ineffective	Average	Good	Average	Average	Good	Good	Good
Dangers	None	Back	None	Legs		It is best to learn to use these types of apparatus properly before you make a major effort							

Numeracy – Sample Item 1

This sample item focuses on the following aspects of the numeracy construct:

<i>Content</i>	<i>Data and chance</i>
<i>Process</i>	<i>Interpret, evaluate</i>
<i>Context</i>	<i>Community and society</i>

For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 3 item. Respondents are asked to respond by clicking on one or more of the time periods provided in the left pane on the screen.

Look at the graph about the number of births. Click to answer the question below.

During which period(s) was there a decline in the number of births? Click all that apply.

☐ 1957 - 1967
 ☐ 1967 - 1977
 ☐ 1977 - 1987
 ☐ 1987 - 1997
 ☐ 1997 - 2007

?

The following graph shows the number of births in the United States from 1957 to 2007. Data are presented every 10 years.

Year	Number of Births
1957	4,300,000
1967	3,520,959
1977	3,326,632
1987	3,809,394
1997	3,880,894
2007	4,315,000


Correct Response: 1957 - 1967 AND 1967 – 1977

Numeracy – Sample Item 2

This sample item focuses on the following aspects of the numeracy construct:

<i>Content</i>	<i>Dimension and shape</i>
<i>Process</i>	<i>Act upon, use (estimate)</i>
<i>Context</i>	<i>Every day or Work</i>

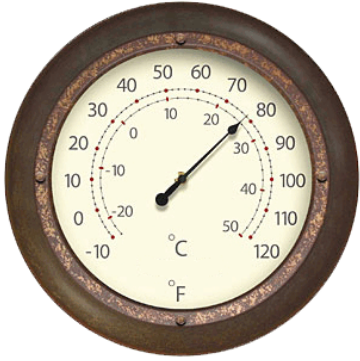
For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 3 item. Respondents are asked to type in a numerical response based on the graphic provided.




Look at the thermometer. Using the number keys, type your answer to the question below.

What is the temperature shown on the thermometer in degrees Fahrenheit (°F)?

 °F






Correct Response: Any value between 77.7 and 78.3

Numeracy – Sample Item 3

This second item in the set focuses on the following aspects of the numeracy construct:

<i>Content</i>	<i>Dimension and shape</i>
<i>Process</i>	<i>Act upon, use (measure)</i>
<i>Context</i>	<i>Every day or Work</i>

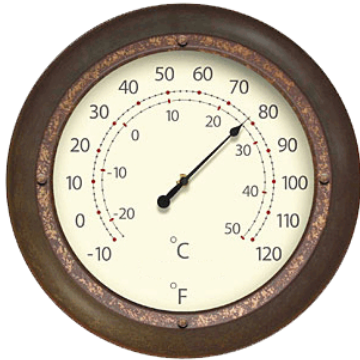
For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 3 item. Again, respondents are asked to type in a numerical response based on the graphic provided.




Look at the thermometer. Using the number keys, type your answer to the question below.

If the temperature shown decreases by 30 degrees Celsius, what would the temperature be in degrees Celsius (°C)?

 °C






Correct Response: Any value between -4 and -5

Numeracy – Sample Item 4

This sample item focuses on the following aspects of the numeracy construct:

<i>Content</i>	<i>Quantity and Number</i>
<i>Process</i>	<i>Act upon, use (compute)</i>
<i>Context</i>	<i>Community and society</i>

For PIAAC, item difficulty is reported along a five-level scale with Level 1 being the easiest items and Level 5 being the hardest. This sample is a Level 5 item.



Look at the advertisement found in a newspaper. Using the number keys, type your answer to the question below.


What is the annual rate of simple interest that the lender charges?

 %

Apply for a loan
Up to \$70,000

Terms of the loan

Pay only \$103 per month
for each \$1,000 borrowed
Payable in 12 equal monthly payments



Correct Response: Any value between 23 and 24

Adaptive Problem Solving – Draft Task

This draft item begins with a static planning task. Respondents need to use an interactive map to find the fastest route to accomplish three presented goals, keeping time constraints in mind.

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Dinner Preparation - Question 1 / 2

Look at the map and the sticky note. Follow the instructions shown and tap on the destinations to complete the task below.

It's 8 o'clock in the morning. You need to take your child to school by 8:30 a.m. and go to a shop to buy the ingredients for dinner. You need to be back home by 10:00 a.m.

Plan the fastest route to accomplish these goals. Keep the time constraints in mind.

After you drew the route to the first destination, tap on Apply to continue with the planning. The driving time will update.

8:00

Shop A

School

Home

25 minutes

Shop C

Shop B

Total driving time: 25 min

RESET

APPLY

- Bring child to school by 8:30 a.m.
- Buy ingredients for dinner
- Be back home by 10:00 a.m.

Adaptive Problem Solving – Sample Task, continued

In the second item, the situation becomes dynamic as the respondent must deal with new circumstances that interfere with the initial problem solution. An impasse must be overcome and additional constraints need to be taken into consideration when adapting the initial problem solution.

PIAAC?◀▶


Dinner Preparation - Question 2 / 2

Look at the map and the sticky note. Follow the instructions shown and tap on the destinations to complete the task below.

You have planned the route to accomplish all of your goals for the day as shown on the map.

It is now 8:30 and you already brought your child to school. You are about to leave to your next planned destination when you receive a news alert that your chosen shop has been closed due to a water leakage.

Adapt your chosen route to accomplish the rest of your goals for the day. Keep the time constraints in mind.



8:30

Shop A

15 minutes

10 minutes

25 minutes

Home

School

Shop C

Shop B

Total driving time: 50 min

RESET

APPLY

- Bring child to school by 8:30 a.m.
- Buy ingredients for dinner
- Be back home by 10:00 a.m.