

## PIAAC

## Literacy – sample items

Literacy is the ability to understand and use information from written texts in a variety of contexts to achieve goals and develop knowledge and potential. This is a core requirement for developing higher-order skills and for positive economic and social outcomes. Previous studies have shown reading literacy to be closely linked to positive outcomes at work, to social participation, and to lifelong learning.

### Literacy - Sample Items


Two examples of the literacy items used in the Survey of Adult Skills (PIAAC) are presented below. Both use print-based stimuli. The sample problem-solving items presented separately give an idea of the type of “digital” stimulus material used.

The items are presented in the form delivered by the computer-based version of the assessment. To answer the questions, respondents highlight words and phrases or click on the appropriate location on the screen using a mouse.

#### Sample Item 1: Preschool rules


Preschool rules represents an item of average difficulty and focuses on the following aspects of the literacy construct:

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



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.


*Sample Items 2 and 3: Physical Exercise Equipment*

In many cases, several questions are associated with the same stimulus material. In the case of the stimulus relating to physical exercise equipment, there are two associated questions or test items.


The first item represents a relatively easy item and focuses on the following aspects of the literacy construct:

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

Respondents answer the question by clicking on the cell in the chart that contains information about exercise equipment. Each of the cells and all of the images are “clickable” and multiple cells can be selected.




## Physical Exercise Equipment



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?



**How to choose?**

- 1 Decide what effect you want the exercise to have on your body.
- 2 Assess the space you have available at home.
- 3 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	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

The second item represents a relatively easy item and focuses on the following aspects of the literacy construct:


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



### Physical Exercise Equipment i

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?**

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

**For example:**

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

Effects on...	Cardio-Training				
	Exercise bicycle	Rowing machine	Stepper	Tread-mill	Air trainer
Arm strength	Ineff-ective	Good	Average	Ineff-ective	Good
Leg strength	Good	Very good	Average	Very good	Good
Abdominal muscles	Average	Very good	Good	Good	Average
Overall muscle building	Ineff-ective	Very good	Ineff-ective	Average	Ineff-ective
Heart/arteries	Very good	Good	Very good	Very good	Good
Flexi-bility	Ineff-ective	Good	Ineff-ective	Ineff-ective	Average
Joints	Good	Very good	Good	Good	Good
Slim-ming	Good	Average	Very good	Good	Good
Dangers	None	Back	None	Legs	

Effects on...	Muscle Building							
	Dumb-bells, weights	Elastic	Gym bench	Muscle-building bench	Multi-trainer	AB trimmer	AB shaper	AB roller
Arm strength	Very good	Very good	Good	Good	Good	Very good	Good	Good
Leg strength	Ineff-ective	Good	Average	Good	Good	Ineff-ective	Good	Good
Abdominal muscles	Ineff-ective	Good	Very good	Good	Average	Very good	Very good	Very good
Overall muscle building	Average	Good	Good	Good	Average	Good	Good	Good
Heart/arteries	Ineff-ective	Average	Average	Average	Good	Average	Average	Average
Flexi-bility	Average	Average	Good	Ineff-ective	Ineff-ective	Average	Good	Good
Joints	Good	Average	Average	Good	Good	Average	Average	Average
Slim-ming	Ineff-ective	Average	Good	Average	Average	Good	Good	Good

It is best to learn to use these types of apparatus properly before you make a major effort