

## DERIVED CONTEXT VARIABLES

# School Questionnaire – Grade 4

### Derived Variable Name:

ACDGSBC

### Variable Label:

School Composition by Socioeconomic  
Background

### International Report Exhibits

Exhibits 4.1.1 – 4.1.5: School Composition by Socioeconomic Composition of the Student Body –  
Principals' Reports

### Procedure

Based on responses to the following questions in the School Questionnaire:  
ScQ-03: Approximately what percentage of students in your school have the following backgrounds?  
"Come from economically disadvantaged homes" (ACBG03A)  
"Come from economically affluent homes" (ACBG03B)  
Response options: 1 = "0 to 10%"  
2 = "11 to 25%"  
3 = "26 to 50%"  
4 = "More than 50%"

Derive ACDGSBC:  
1 = "More Affluent" = IF (ACBG03A <= 2 AND ACBG03B >= 3)  
3 = "More Disadvantaged" = IF (ACBG03A >= 3 AND ACBG03B <= 2)  
2 = "Neither More Affluent nor More Disadvantaged" = IF (All other combinations of ACBG03A and  
ACBG03B)

Set ACDGSBC to missing if either source variable is missing.  
Set ACDGSBC to not administered if either source variable is not administered.

1 = "More Affluent"  
2 = "Neither More Affluent nor More Disadvantaged"  
3 = "More Disadvantaged"

### Trend Comments

See ACDGSBC in TIMSS 2019.

## Derived Variable Name:

ACDGTIHY

## Variable Label:

Total Instructional Hours per Year

## Procedure

Based on responses to the following questions in the School Questionnaire:

ScQ-06A: How many days per year is your school open for instruction? (ACBG06A)

(Open-response item)

ScQ-06B: What is the total instructional time, excluding breaks, in a typical day? (ACBG06B)

(Open-response item; response in terms of minutes)

Derive ACDGTIHY:

Step 1: Compute instructional hours per day:

Divide ACBG06B by 60.

Step 2: Compute hours of school per year:

Multiply the result of Step 1 by ACBG06A.

Set ACDGTIHY to missing if either source variable is missing.

## Trend Comments

See ACDGTIHY in TIMSS 2019.