

## Multiple Ability Self-Report Questionnaire (MASQ) - Scoring

Higher scores indicate more difficulty.

Preparing to Score:

Step1: Apply numbers to responses

1=Never

2=Rarely

3=Sometimes

4=Usually

5=Always

Step2: Reverse score (R) (i.e. 1=5, 2=4, 3=3, 4=2, 5=1)

Items : 2,6,8,9,10,17,22,23,24,26,28,29,30,31, 33,36,37

Step 3: Calculate subscales

Language= sum (1,R2,3,4,5,R6,7,R8)

Visual Perceptual Ability= sum (R9,R10,11,12,13,14)

Verbal Memory= sum (15,16,R17,18,19,20,21,R22)

Visual Spatial Memory= sum (R23,R24,25,R26,27,R28,R29,R30)

Attention Concentration= sum (R31,32,R33,34,35,R36,R37,38)

There is no total score.

Note: impute if missingness is  $\leq 20\%$  and not applied for scores with less than 5 questions.

SAS CODE:

```
nss1=n(of _1,_2,_3,_4,_5,_6,_7,_8);
if nss1 ge 7 then
Language=sum (_1,_2,_3,_4,_5,_6,_7,_8)*8/nss1;

nss2=n(of _9,_10,_11,_12,_13,_14);
if nss2 ge 5 then
VPA= sum (_9,_10,_11,_12,_13,_14)*6/nss2;

nss3=n(of _15,_16,_17,_18,_19,_20,_21,_22);
if nss3 ge 7 then
VM= sum (_15,_16,_17,_18,_19,_20,_21,_22)*8/nss3;

nss4=n(of _23,_24,_25,_26,_27,_28,_29,_30);
if nss4 ge 7 then
VSM= sum (_23,_24,_25,_26,_27,_28,_29,_30)*8/nss4;

nss5=n(of _31,_32,_33,_34,_35,_36,_37,_38);
if nss5 ge 7 then
Attention = sum(_31,_32,_33,_34,_35,_36,_37,_38)*8/nss5;
```

```
label VPA="MASQ:Visual Perceptual Ability (8-40)"  
  Language="MASQ: Language (6-30)"  
  VM="Verbal Memory (8-40)"  
  VSM="Visual Spatial Memory (8-40)"  
  Attention="Attention Concentration (8-40)";
```