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1      MAINLINE
      SECTION.

2      ACCEPT INPUT-NUM-1
3      ACCEPT INPUT-NUM-2
4      COMPUTE MULTIPLY-ANSWER =
5              INPUT-NUM-1 *
              INPUT-NUM-2.

6      DISPLAY FIRST-MSG INPUT-NUM-1
7      MOVE MULTIPLY-ANSWER          TO MULTIPLY-ANSWER-FINAL
8      DISPLAY SECOND-MSG INPUT-NUM-2
9      DISPLAY MULTIPLY-MSG MULTIPLY-ANSWER-FINAL
10     COMPUTE DIVIDE-ANSWER =
11             INPUT-NUM-2 / INPUT-NUM-1.
12     MOVE DIVIDE-ANSWER          TO DIVIDE-ANSWER-FINAL
13     DISPLAY DIVIDE-MSG DIVIDE-ANSWER-FINAL
14     PERFORM B100-VALIDATION
15     PERFORM C100-CALCULATION
16     GOBACK.

17
18     B100-VALIDATION SECTION.
19         IF INPUT-NUM-1 > INPUT-NUM-2
20             MOVE INPUT-NUM-1      TO LARGE-NUM
21             MOVE INPUT-NUM-2      TO SMALL-NUM
22         ELSE
23             MOVE INPUT-NUM-2      TO LARGE-NUM
24             MOVE INPUT-NUM-1      TO SMALL-NUM
25         END-IF.

26
27     C100-CALCULATION SECTION.
28         IF SMALL-NUM <= LARGE-NUM
29             PERFORM UNTIL SMALL-NUM = LARGE-NUM
30                 ADD 1          TO SMALL-NUM
31                 MOVE SMALL-NUM TO INPUT-NUM-1-FMT
32                 DISPLAY INPUT-NUM-1-FMT
33                 ADD  SMALL-NUM TO INPUT-SUM
34             END-PERFORM
35         END-IF
36         DISPLAY SUM-MSG INPUT-SUM-FINAL.

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