

# Holiday Expenses (Model A)

Calculate all your currency needs for a trip through several countries. Approximate exchange rates are included for 19 currencies and you may enter others as you wish. Four currencies are handled at one time by the holiday costs and cross-rates pages and there are twelve holiday costs categories ranging from hotel bills to phone calls and gifts for the folk back home. Enter your anticipated costs in each of the four currencies, press a key and see the total in sterling.

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1  REM *** BBC VERSION ***
2  REM *** HOLIDAY EXPENSES ***
10 E$="1  1  5  10  5010500"
20 DIMC$(12),C(13,4),N$(4),R(4)
30 CF=0:TF=0:VF=0:N=1:CY=1:FG=0:T=0
40 GOTO700
50 VDU28,5,23,37,3:CLS
60 PRINT"  1      2      3      4      5"
70 PRINTCHR$&85"STG"TAB(5)N$(1)TAB(12)N$(2
)TAB(19)N$(3)TAB(26)N$(4)
80 FORX=1TO6:Z$=MID$(E$,X*3-2,3):PRINTTAB(
0,X+2)Z$="
90   FORY=1TO4
100   Q$=STR$(R(Y)*VAL(Z$))
110   Q=VAL(Q$)
120   PRINTTAB(Y*7-2,X+2);Q
130   NEXTY,X
140   PRINTTAB(0,17)"Enter 2 column numbers
(eg 32)   to display cross-rates ("N$(2)"/"N
$(1) ").";
150   INPUT"Or 'M' for menu "X$
160   IFX$="M" GOTO900
170   IFLEN(X$)<>2 GOTO140
180   F=VAL(MID$(X$,2,1))-1:S=VAL(MID$(X$,1
,1))-1
190   IFS<0 OR S>4 OR F<0 OR F>4 GOTO140
200   IFS=0 Q=R(F):J$=N$(F):K$="STG":GOTO24
0
210   IFF=0 Q=1/R(S):J$="STG":K$=N$(G):GOTO
240
220   Q=R(F)/R(S)

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```
230     J$=N$(F):K$=N$(S)
240     M=1
250     Q=VAL(LEFT$(STR$(Q),4))
260     C=Q:PRINTTAB(0,10):W=VPOS:REPEAT:VDU3
2:UNTILW+6=VPOS:PRINTTAB(0,10)"  "K$TAB(11)J$
270     FORX=1TO6:Z=M*VAL(MID$(E$,X*3-2,3))
280     Q=C*VAL(MID$(E$,X*3-2,3))
290     PRINTTAB(1,X+10);Z;TAB(5)"= "TAB(10)
;Q
300     NEXTX
310     PRINTTAB(0,17)STRING$(90," ")TAB(0,17)
) "Enter amount of "K$" or "J$" to seeequivalence
nt. eg "J$"5000"
320     INPUT"or 'M' for menu "X$
330     IFX$="M" GOTO900
340     IFLEN(X$)<4 GOTO140
350     IFLEFT$(X$,3)=K$ Y=VAL(MID$(X$,4,8)):
X=Y*C/M:GOTO380
360     IFLEFT$(X$,3)=J$ X=VAL(MID$(X$,4,8)):
Y=X*M/C:GOTO380
370     GOTO140
380     PRINTTAB(16,12)"  "J$TAB(25,12)K$TAB(1
6,13)"  "TAB(17,13);LEFT$(STR$(
X),6);TAB(25,13);LEFT$(STR$(Y),6)
390     GOTO310
400     CLS
410     PRINTTAB(10)"M"TAB(16)"N"TAB(22)"O"TA
B(28)"P"
420     PRINT"Charges"TAB(9)N$(1)TAB(15)N$(2)
TAB(21)N$(3)TAB(27)N$(4)
430     FORX=1TO12:PRINTTAB(0,X+2)CHR$(X+64)"
>"C$(X):NEXT
440     FORX=1TO12:FORY=1TO4:PRINTTAB(2+6*Y,X
+2);C(X,Y):NEXTY,X
450     IFTF=1 TF=0:GOTO580
460     IFCF=0 GOTO520
470     CF=0
480     PRINTTAB(0,17)"Enter charge code le
tter with new name (eg BTOURS)  "
490     INPUT"Or enter 'M' for menu."X$:IFX
$="M" GOTO900
500     IFX$="" OR LEN(X$)<2 OR LEFT$(X$,1)
<"A" OR LEFT$(X$,1)>"L" GOTO480
510     C$(ASC(X$)-64)=MID$(X$,2,5):FORX=1T
O12:PRINTTAB(0,X+2)CHR$(X+64)">"C$(X):NEXT:GO
```

```

TO480
  520      PRINTTAB(0,17)"To enter a cost item
enter      row/column with amount (eg AM
10)"
  530      INPUT"Or enter 'M' for menu."X$:IFX
$="M" GOTO900
  540      IFX$="" GOTO520
  550      IFLEFT$(X$,1)<"A" OR LEFT$(X$,1)>"L
" OR MID$(X$,2,1)<"M" OR MID$(X$,2,1)>"P" OR
LEN(X$)<3 GOTO520
  560      Q=VAL(MID$(X$,3,5)):C(ASC(X$)-64,AS
C(MID$(X$,2,1))-76)=Q:PRINTTAB(2+6*(ASC(MID$(
X$,2,1))-76),ASC(X$)-62);Q
  570      GOTO520
  580      T=0:FORX=1TO4:C(13,X)=0:NEXTX:FORX=
1TO12:FORY=1TO4:C(13,Y)=C(13,Y)+C(X,Y):NEXTY,
X
  590      FORX=1TO4:IFC(13,X)=0 GOTO610
  600      C(3,X)=VAL(MID$(STR$(C(13,X)),1
,5))
  610      NEXTX
  620      PRINTTAB(8,15);C(13,1)TAB(14,15);
C(13,2)TAB(20,15);C(13,3)TAB(26,15);C(13,4)
  630      PRINTTAB(0,15)"Totals"CHR$&83;TAB
(0,16)"RATE"CHR$&85;TAB(0,17)"STG ` "CHR$&82
  640      FORX=1TO4
  650      PRINTTAB(2+6*X,16);R(X):Q=VAL(M
ID$(STR$(C(13,X)/R(X)),1,5)):PRINTTAB(2+6*X,1
7);Q:T=T+Q
  660      NEXTX
  670      PRINTTAB(14,18)"Grand Total = `";
T
  680      INPUTTAB(0,20)"Press <RETURN> to
return to menu"X$
  690      GOTO900
  700      MODE7:PRINTCHR$141;CHR$&84;CHR$15
7;CHR$&83"      Holiday expenses      "
CHR$156'CHR$141;CHR$&84;CHR$157;CHR$&83"
      Holiday expenses      "CHR$156
  710      FORI=2TO23:PRINTTAB(0,I)CHR$&86;:
NEXT
  720      VDU28,2,23,37,3
  730      S$=STRING$(70," ")
  740      PRINT"This program will help you
to""calculate your approximate foreign  exch

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ange requirements for a tour""through one or several countries."

```
750      PRINT'"International exchange rates are""always based on the american dollar rate for each currency.For example, the STERLING / PESETA rate is""produced from the STG/$ and PTS/$ rates."
```

```
760      PRINT'"The difference between 'buying' and 'selling' prices for currency notes or travellers cheques represents thebank's 'profit' on the transaction. A small commission charge is also often added."
```

```
770      PRINTTAB(0,19)CHR$136;CHR$&81"
```

```
Press <RETURN>":INPUTX$
```

```
780      CLS:PRINT"Because of the usually wide 'spread'between buy and sell quoted for""tourist rates,it is almost always safer to avoid multiple exchange""transactions."
```

```
790      PRINT'"Take about 5/10 of small""denomination foreign notes for each country you will visit,for use on arrival.If you are departing from a large airport,these are usually""available from a bank in the""arrivals hall."
```

```
800      PRINT'"The following tourist rates are""included only as a very rough guide.A actual market rates will vary,often quite wildly,from day to day"
```

```
810      PRINTTAB(0,19)CHR$136;CHR$&81"
```

```
Press <RETURN>":INPUTX$
```

```
820      FORX=1TO4:READN$(X):NEXT
```

```
830      FORX=1TO4:READR(X):NEXT
```

```
840      FORX=1TO12:READC$(X):NEXT
```

```
850      CLS:PRINT"The program is in three sections.          1 Rates entry""          2 Cross rate calculation""          3 Holiday costs"
```

```
860      PRINT'"Four currencies can be handled at the same time.The present four are "CHR$&85,N$(1)","N$(2)","N$(3)","N$(4)'"But you may change these by""following the prompts."
```

```
870      PRINT'"The CAPS LOCK light should always be on during input.If it is not, press CAPS LOCK once.""'"Currency codes should always be""three CAPITAL letters."
```

```

880      PRINTTAB(0,19)CHR$136;CHR$&81"
      Press <RETURN>":INPUTX$
890      GOTO1060
900      MODE7:PRINTCHR$141;CHR$&84;CHR$15
7;CHR$&83"      Holiday expenses      "
CHR$156'CHR$141;CHR$&84;CHR$157;CHR$&83"
      Holiday expenses      "CHR$156:FORI=2T
O23:PRINTTAB(0,I)CHR$&86;;:NEXT:VDU28,2,23,37,
3
910      PRINTCHR$&83"      * * MENU
* * "
920      PRINT'"      1 Rates table (View
only)"
930      PRINT'"      2 Change rates/curr
encies"
940      PRINT'"      3 Cross rates calcu
lations"
950      PRINT'"      4 Holiday costs tab
le"
960      PRINT'"      5 Change a cost cat
egory"
970      PRINT'"      6 Calculate total c
osts"
980      PRINTTAB(4,19)CHR$136;CHR$&81;"Se
lect required option.":X=GET-48
990      IFX<1 OR X>6 GOTO980
1000     IFX=1 VF=1:GOTO1060
1010     IFX=2 GOTO1060
1020     IFX=3 GOTO50
1030     IFX=4 GOTO400
1040     IFX=5 CF=1:GOTO400
1050     IFX=6 TF=1:GOTO400
1060     VDU26:FORI=0TO23:PRINTTAB(0,I)CHR
$&86" ";:NEXT:VDU28,2,23,37,0:CLS:PRINTCHR$&8
5"Approximate tourist rates.STG="
1070     PRINT'"US$ USA dollar",1.52
1080     PRINT"CN$ CANADA dollar",1.87
1090     PRINT"FFR FRANCE franc",1.6
1100     PRINT"BFR BELGIUM franc",76.5
1110     PRINT"ITL ITALY lire",2265
1120     PRINT"SFR SWITZERLAND franc      "
;3.22
1130     PRINT"DMK W.GERMANY D.mark",3.84
1140     PRINT"ASH AUSTRIA schilling
";27.0

```

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```
1150      PRINT"ESC  PORTUGAL  escudo",154
1160      PRINT"SPA  SPAIN   peseta",211
1170      PRINT"HFL  HOLLAND  guilder",4.30
1180      PRINT"NKR  NORWAY   krona",11.0
1190      PRINT"IRP  IRELAND  punt",1.22
1200      PRINT"DRA  GREECE   drachma",128
1210      PRINT"MLT  MALTA    pound",0.64
1220      PRINT"YGD  YUGOSLAVIA  dinar",127
1230      PRINT"YEN  JAPAN    yen",367
1240      PRINT"AU$  AUSTRALIA  dollar",1.74
1250      PRINT"NZ$  NEW ZEALAND  dollar      "
;2.32
1260      IFVF=1 PRINTTAB(0,22)CHR$136;CHR$
&81"Press <RETURN> to return to menu.":INPUTX
$:VF=0:GOTO900
1270      FORY=1TO4
1280      PRINTTAB(0,21)CHR$&83"Currency
";Y;" is "N$(Y)" Press RETURN"'CHR$&83"to kee
p,or enter new code ";
1290      INPUTX$:PRINTTAB(0,21)$
1300      IFX$="" GOTO1330
1310      FORX=1TO13:C(X,Y)=0:NEXT
1320      N$(Y)=LEFT$(X$,3):R(Y)=0
1330      PRINTTAB(0,21)CHR$&82"Rate for
"N$(Y)" is ";R(Y);" Press RETURN"'CHR$&82"to
keep,or enter new rate ";
1340      INPUTQ$:PRINTTAB(0,21)$:IFQ$="
" GOTO1370
1350      IFASC(Q$)<48 OR ASC(Q$)>57 GOTO
1330
1360      R(Y)=VAL(LEFT$(Q$,4))
1370      NEXTY
1380      GOTO900
1390      DATA FFR,SFR,US$,ITL
1400      DATA 11.6,3.22,1.52,2265
1410      DATA HOTEL,TOURS,BUS,MEALS,FOOD,D
RINK,LAUND,FUEL,POST,PHONE,GIFTS,SUNDR
```