# Codefez 2.2 Programming Worksheet 3 ANS 💻

| Q | Answer | Mark | Guidance |
|---|--------|------|----------|
| 1 | 1 mark for each point:<br>- Define a function called game_total<br>- ... that takes the parameters adults and children<br>- Calculates the cost of adults and children correctly<br>- Uses selection to correctly add discount of 20% for over 4 adults and 25% for over 5 children.<br>- Returns the totals<br>- ... as an array with the 3 elements | 7 | Possible Ver 1<br><br>```python
def game_cost(adu, chi):
    if adu > 4:
        adu_tot = (10*adu)*0.8
    else:
        adu_tot = (10*adu)

    if chi > 5:
        chi_tot = (6*chi)*0.75
    else:
        chi_tot = (6*chi)

    total = [adu_tot, chi_tot, adu_tot+chi_tot]
    return total
```<br><br>possible ver 3<br><br>```python
def game_cost(adu, chi):
    adu_tot = (10*adu)
    chi_tot = (6*chi)
    if adu > 4:
        adu_tot = tot_adu*0.8

    if chi > 5:
        chi_tot = chi_tot*0.75

    return [adu_tot, chi_tot, adu_tot+chi_tot]
``` |
| 2 | 1 mark for each point:<br>- Initiated a variable to store the result of the function call<br>- ... the function call correctly has 6 and 16 children<br>- The result is printed | 3 | ```python
total = game_cost(7,16)
print(total)
``` |