Java Script:

## Constructed by Ben Coffield

var Y, Type, Time, Loser\_Fraction, X, Z, Win\_Points, Lose\_Points, Players, my\_2nd\_Winner, my\_3rd\_Winner, my\_4th\_Winner;  
  
function mathRandomInt(a, b) {  
 if (a > b) {  
 // Swap a and b to ensure a is smaller.  
 var c = a;  
 a = b;  
 b = c;  
 }  
 return Math.floor(Math.random() \* (b - a + 1) + a);  
}  
  
  
Y = 1;  
Type = window.prompt('Type of Game: Ranked, Co-op, Teams, Party').trim().toUpperCase();  
Time = Number(window.prompt('Time in minutes'));  
Loser\_Fraction = 2 / 3;  
X = 36 \* Y;  
Z = 12 \* Y;  
if (Type == 'PARTY') {  
 Win\_Points = X \* Time;  
 Lose\_Points = Loser\_Fraction \* X \* Time;  
 window.alert(String('Winner:' + String(Win\_Points)) + String('Losers:' + String(Lose\_Points)));  
}  
if (Type == 'CO-OP') {  
 Win\_Points = X \* Time + mathRandomInt(1, 5);  
 Lose\_Points = Loser\_Fraction \* X \* Time + mathRandomInt(1, 5);  
 window.alert(String('Win:' + String(Win\_Points)) + String('Lose:' + String(Lose\_Points)));  
}  
if (Type == 'TEAMS') {  
 Win\_Points = X \* Time + mathRandomInt(1, 5);  
 Lose\_Points = Loser\_Fraction \* X \* Time + mathRandomInt(1, 5);  
 window.alert(String('Winners:' + String(Win\_Points)) + String('Losers:' + String(Lose\_Points)));  
}  
if (Type == 'RANKED') {  
 Players = Number(window.prompt('How many players?'));  
 Lose\_Points = Loser\_Fraction \* X \* Time + mathRandomInt(1, 5);  
 Win\_Points = Lose\_Points + Z \* Time + mathRandomInt(1, 5);  
 window.alert('1st Place:' + String(Win\_Points));  
 if (Players >= 3) {  
 my\_2nd\_Winner = Lose\_Points + (Z \* Time) / 2 + mathRandomInt(1, 5);  
 window.alert('2nd Place:' + String(my\_2nd\_Winner));  
 }  
 if (Players >= 4) {  
 my\_3rd\_Winner = Lose\_Points + (Z \* Time) / 3 + mathRandomInt(1, 5);  
 window.alert('3rd Place:' + String(my\_3rd\_Winner));  
 }  
 if (Players >= 6) {  
 my\_4th\_Winner = Lose\_Points + (Z \* Time) / 4 + mathRandomInt(1, 5);  
 window.alert('4th Place:' + String(my\_4th\_Winner));  
 }  
 window.alert('Everyone Else:' + String(Lose\_Points));  
}  
if (Type != 'TEAMS' && Type != 'PARTY' && Type != 'CO-OP' && Type != 'RANKED') {  
 window.alert('Please enter a valid game type.');  
}

Python:

import random  
  
Y = None  
Type = None  
Time = None  
Loser\_Fraction = None  
X = None  
Z = None  
Win\_Points = None  
Lose\_Points = None  
Players = None  
my\_2nd\_Winner = None  
my\_3rd\_Winner = None  
my\_4th\_Winner = None  
  
def text\_prompt(msg):  
 try:  
 return raw\_input(msg)  
 except NameError:  
 return input(msg)  
  
  
Y = 1  
Type = text\_prompt('Type of Game: Ranked, Co-op, Teams, Party').strip().upper()  
Time = float(text\_prompt('Time in minutes'))  
Loser\_Fraction = 2 / 3  
X = 36 \* Y  
Z = 12 \* Y  
if Type == 'PARTY':  
 Win\_Points = X \* Time  
 Lose\_Points = Loser\_Fraction \* (X \* Time)  
 print(str('Winner:' + str(Win\_Points)) + str('Losers:' + str(Lose\_Points)))  
if Type == 'CO-OP':  
 Win\_Points = X \* Time + random.randint(1, 5)  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + random.randint(1, 5)  
 print(str('Win:' + str(Win\_Points)) + str('Lose:' + str(Lose\_Points)))  
if Type == 'TEAMS':  
 Win\_Points = X \* Time + random.randint(1, 5)  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + random.randint(1, 5)  
 print(str('Winners:' + str(Win\_Points)) + str('Losers:' + str(Lose\_Points)))  
if Type == 'RANKED':  
 Players = float(text\_prompt('How many players?'))  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + random.randint(1, 5)  
 Win\_Points = (Lose\_Points + Z \* Time) + random.randint(1, 5)  
 print('1st Place:' + str(Win\_Points))  
 if Players >= 3:  
 my\_2nd\_Winner = Lose\_Points + ((Z \* Time) / 2 + random.randint(1, 5))  
 print('2nd Place:' + str(my\_2nd\_Winner))  
 if Players >= 4:  
 my\_3rd\_Winner = Lose\_Points + ((Z \* Time) / 3 + random.randint(1, 5))  
 print('3rd Place:' + str(my\_3rd\_Winner))  
 if Players >= 6:  
 my\_4th\_Winner = Lose\_Points + ((Z \* Time) / 4 + random.randint(1, 5))  
 print('4th Place:' + str(my\_4th\_Winner))  
 print('Everyone Else:' + str(Lose\_Points))  
if Type != 'TEAMS' and Type != 'PARTY' and Type != 'CO-OP' and Type != 'RANKED':  
 print('Please enter a valid game type.')

PHP:

function math\_random\_int($a, $b) {  
 if ($a > $b) {  
 return rand($b, $a);  
 }  
 return rand($a, $b);  
}  
  
  
$Y = 1;  
$Type = strtoupper(trim(readline('Type of Game: Ranked, Co-op, Teams, Party')));  
$Time = floatval(readline('Time in minutes'));  
$Loser\_Fraction = 2 / 3;  
$X = 36 \* $Y;  
$Z = 12 \* $Y;  
if ($Type == 'PARTY') {  
 $Win\_Points = $X \* $Time;  
 $Lose\_Points = $Loser\_Fraction \* $X \* $Time;  
 print(('Winner:' . $Win\_Points) . ('Losers:' . $Lose\_Points));  
}  
if ($Type == 'CO-OP') {  
 $Win\_Points = $X \* $Time + math\_random\_int(1, 5);  
 $Lose\_Points = $Loser\_Fraction \* $X \* $Time + math\_random\_int(1, 5);  
 print(('Win:' . $Win\_Points) . ('Lose:' . $Lose\_Points));  
}  
if ($Type == 'TEAMS') {  
 $Win\_Points = $X \* $Time + math\_random\_int(1, 5);  
 $Lose\_Points = $Loser\_Fraction \* $X \* $Time + math\_random\_int(1, 5);  
 print(('Winners:' . $Win\_Points) . ('Losers:' . $Lose\_Points));  
}  
if ($Type == 'RANKED') {  
 $Players = floatval(readline('How many players?'));  
 $Lose\_Points = $Loser\_Fraction \* $X \* $Time + math\_random\_int(1, 5);  
 $Win\_Points = $Lose\_Points + $Z \* $Time + math\_random\_int(1, 5);  
 print('1st Place:' . $Win\_Points);  
 if ($Players >= 3) {  
 $my\_2nd\_Winner = $Lose\_Points + ($Z \* $Time) / 2 + math\_random\_int(1, 5);  
 print('2nd Place:' . $my\_2nd\_Winner);  
 }  
 if ($Players >= 4) {  
 $my\_3rd\_Winner = $Lose\_Points + ($Z \* $Time) / 3 + math\_random\_int(1, 5);  
 print('3rd Place:' . $my\_3rd\_Winner);  
 }  
 if ($Players >= 6) {  
 $my\_4th\_Winner = $Lose\_Points + ($Z \* $Time) / 4 + math\_random\_int(1, 5);  
 print('4th Place:' . $my\_4th\_Winner);  
 }  
 print('Everyone Else:' . $Lose\_Points);  
}  
if ($Type != 'TEAMS' && $Type != 'PARTY' && $Type != 'CO-OP' && $Type != 'RANKED') {  
 print('Please enter a valid game type.');  
}

Lua:

function text\_prompt(msg)  
 io.write(msg)  
 io.flush()  
 return io.read()  
end  
  
  
Y = 1  
Type = string.upper(string.gsub(text\_prompt('Type of Game: Ranked, Co-op, Teams, Party'), "^%s\*(.-)%s\*$", "%1"))  
Time = tonumber(text\_prompt('Time in minutes'), 10)  
Loser\_Fraction = 2 / 3  
X = 36 \* Y  
Z = 12 \* Y  
if Type == 'PARTY' then  
 Win\_Points = X \* Time  
 Lose\_Points = Loser\_Fraction \* (X \* Time)  
 print(('Winner:' .. Win\_Points) .. ('Losers:' .. Lose\_Points))  
end  
if Type == 'CO-OP' then  
 Win\_Points = X \* Time + math.random(1, 5)  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math.random(1, 5)  
 print(('Win:' .. Win\_Points) .. ('Lose:' .. Lose\_Points))  
end  
if Type == 'TEAMS' then  
 Win\_Points = X \* Time + math.random(1, 5)  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math.random(1, 5)  
 print(('Winners:' .. Win\_Points) .. ('Losers:' .. Lose\_Points))  
end  
if Type == 'RANKED' then  
 Players = tonumber(text\_prompt('How many players?'), 10)  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math.random(1, 5)  
 Win\_Points = (Lose\_Points + Z \* Time) + math.random(1, 5)  
 print('1st Place:' .. Win\_Points)  
 if Players >= 3 then  
 my\_2nd\_Winner = Lose\_Points + ((Z \* Time) / 2 + math.random(1, 5))  
 print('2nd Place:' .. my\_2nd\_Winner)  
 end  
 if Players >= 4 then  
 my\_3rd\_Winner = Lose\_Points + ((Z \* Time) / 3 + math.random(1, 5))  
 print('3rd Place:' .. my\_3rd\_Winner)  
 end  
 if Players >= 6 then  
 my\_4th\_Winner = Lose\_Points + ((Z \* Time) / 4 + math.random(1, 5))  
 print('4th Place:' .. my\_4th\_Winner)  
 end  
 print('Everyone Else:' .. Lose\_Points)  
end  
if Type ~= 'TEAMS' and (Type ~= 'PARTY' and (Type ~= 'CO-OP' and Type ~= 'RANKED')) then  
 print('Please enter a valid game type.')  
end

Dart:

import 'dart:html' as Html;  
import 'dart:math' as Math;  
  
var Y, Type2, Time, Loser\_Fraction, X, Z, Win\_Points, Lose\_Points, Players, my\_2nd\_Winner, my\_3rd\_Winner, my\_4th\_Winner;  
  
int math\_random\_int(num a, num b) {  
 if (a > b) {  
 // Swap a and b to ensure a is smaller.  
 num c = a;  
 a = b;  
 b = c;  
 }  
 return new Math.Random().nextInt(b - a + 1) + a;  
}  
  
  
main() {  
 Y = 1;  
 Type2 = ((Html.window.prompt('Type of Game: Ranked, Co-op, Teams, Party', '')).trim()).toUpperCase();  
 Time = Math.parseDouble(Html.window.prompt('Time in minutes', ''));  
 Loser\_Fraction = 2 / 3;  
 X = 36 \* Y;  
 Z = 12 \* Y;  
 if (Type2 == 'PARTY') {  
 Win\_Points = X \* Time;  
 Lose\_Points = Loser\_Fraction \* (X \* Time);  
 print([['Winner:',Win\_Points].join(),['Losers:',Lose\_Points].join()].join());  
 }  
 if (Type2 == 'CO-OP') {  
 Win\_Points = X \* Time + math\_random\_int(1, 5);  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math\_random\_int(1, 5);  
 print([['Win:',Win\_Points].join(),['Lose:',Lose\_Points].join()].join());  
 }  
 if (Type2 == 'TEAMS') {  
 Win\_Points = X \* Time + math\_random\_int(1, 5);  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math\_random\_int(1, 5);  
 print([['Winners:',Win\_Points].join(),['Losers:',Lose\_Points].join()].join());  
 }  
 if (Type2 == 'RANKED') {  
 Players = Math.parseDouble(Html.window.prompt('How many players?', ''));  
 Lose\_Points = Loser\_Fraction \* (X \* Time) + math\_random\_int(1, 5);  
 Win\_Points = (Lose\_Points + Z \* Time) + math\_random\_int(1, 5);  
 print(['1st Place:',Win\_Points].join());  
 if (Players >= 3) {  
 my\_2nd\_Winner = Lose\_Points + ((Z \* Time) / 2 + math\_random\_int(1, 5));  
 print(['2nd Place:',my\_2nd\_Winner].join());  
 }  
 if (Players >= 4) {  
 my\_3rd\_Winner = Lose\_Points + ((Z \* Time) / 3 + math\_random\_int(1, 5));  
 print(['3rd Place:',my\_3rd\_Winner].join());  
 }  
 if (Players >= 6) {  
 my\_4th\_Winner = Lose\_Points + ((Z \* Time) / 4 + math\_random\_int(1, 5));  
 print(['4th Place:',my\_4th\_Winner].join());  
 }  
 print(['Everyone Else:',Lose\_Points].join());  
 }  
 if (Type2 != 'TEAMS' && (Type2 != 'PARTY' && (Type2 != 'CO-OP' && Type2 != 'RANKED'))) {  
 print('Please enter a valid game type.');  
 }  
}