

## Add and Multiply

### Purpose:

The purpose of this activity is to help your child practice their multiplication facts.

### Link to Number Framework:

Number Facts, Stage 5

### What you need:

- Four dice
- Pen and Paper for recording

### What to do:

The aim of the game is to produce the largest total by adding the values on pairs of dice and then multiplying these two totals.

- The dice are rolled. Players race to produce the largest value. For example, if 2, 4, 5, 6 are thrown they could be paired as:
  - 2 + 4 and 5 + 6 which would give  $6 \times 11 = 66$  or
  - 2 + 5 and 4 + 6 which would give  $7 \times 10 = 70$  or
  - 2 + 6 and 4 + 5 which would give  $8 \times 9 = 72$ , the winning total
- Roll again. The first player to win three games is the winner.

### What to expect your child to do:

Children should be able to add numbers to ten together mentally or give instant responses to these. They should have instant recall of multiplication facts.

### Variations:

- Try to get the smallest value
- Add three numbers together and multiply the total by the fourth number
- Use 5 dice: Add three numbers and two numbers and then multiply these totals

### He Kupu Māori:

dice	mataono tau
add	tāpiri (-hia)
multiply	whakarea (-tia)
pair	takirua
answer (to a maths problem)	otinga
roll (a dice)	pīrori (-hia)

### He Whakawhitinga Kōrero:

- Pīrorihia ngā mataono tau e whā. (*Roll the four dice.*)
- Wehea kia rua ngā takirua mataono tau. Tāpirihia ngā tau o ia takirua. (*Split the dice into two pairs add the numbers on each pair.*)
- Whakareatia ngā tapeke. He aha te otinga? (*Multiply the totals. What is the answer?*)
- E whai ana koe i te otinga nui rawa atu e taea ana. Nō reira, āta whakaarohia te wehewehe i ngā mataono tau ki ngā takirua e rua. (*You are aiming to get the biggest answer possible, so think carefully about how you pair the dice together.*)
- E whai ana koe i te otinga iti rawa atu e taea ana. (*You are aiming for the smallest answer possible*)
- Tāpirihia kia toru ngā tau, ka whakareatia ai ki te tau tuawhā. (*Add three numbers and multiply by the fourth.*)
- Pīrorihia kia rima ngā mataono tau. Tāpirihia ētahi tau e toru me ētahi tau e rua. Whakareatia ngā tapeke. (*Add three of the numbers and two of the numbers. Multiply the totals.*)