

EXTRA TASK SHEET

CHAPTER 1 - WORKING WITH WHOLE NUMBERS



3

ESTIMATION GAME

- 1 Take turns to roll the dice.
- 2 Make two 2-digit numbers from the numbers rolled.



- four 10 sided dice

Example

In round 1

Tracey rolled 2, 3, 5 and 6.

She made the numbers **52** and **36**.



Josh rolled 4, 7, 2 and 9.

He made the numbers **49** and **72**.



- 3 Estimate the product of these two numbers by rounding.

Example

Tracey estimated the answer to her calculations as **50** × **40** = 2000.

Josh estimated the answer to his calculations as **50** × **70** = 3500.

- 4 Work out the answers to the calculations on a calculator.

Example

Tracey's answer is **1872**.

Josh's answer is **3528**.

- 5 The person who makes the closest estimate to their calculation in each round gets 1 point. (A round is when each person has had a turn.)

Example

Tracey's estimate is **2000 – 1872 = 128 more**.

Josh's estimate is **3528 – 3500 = 28 less**.

Josh's estimate is closer so he takes the point.

- 6 Play five rounds.

The winner is the person with the most points.

