

# Reasoning and Problem Solving

The estimated answer to a calculation is 3,400

The numbers in the calculation were rounded to the nearest 100 to find an estimate.

What could the numbers be in the original calculation?

Use the number cards and + or - to make three calculations with an estimated answer of 2,500

1,295

1,120

4,002

1,489

3,812

1,449

## Game



The aim of the game is to get a number as close to 5,000 as possible.

Each child rolls a 1-6 die and chooses where to put the number on their grid.

Once they have each filled their grid, they add up their totals to see who is the closest.

	Th	H	T	O
	?	?	?	?
+	?	?	?	?

# Reasoning and Problem Solving Answers

## Game



The aim of the game is to get a number as close to 5,000 as possible.

Each child rolls a 1-6 die and chooses where to put the number on their grid.

Once they have each filled their grid, they add up their totals to see who is the closest.

	Th	H	T	O
	?	?	?	?
+	?	?	?	?

The aim of the game can be changed, i.e. make the smallest/largest possible total etc. Dice with more faces could also be used.

The estimated answer to a calculation is 3,400

The numbers in the calculation were rounded to the nearest 100 to find an estimate.

What could the numbers be in the original calculation?

Possible answers include

$$2,343 + 1,089 =$$

$$4,730 - 1,304 =$$

Use the number cards and + or - to make three calculations with an estimated answer of 2,500

1,295

1,120

4,002

1,489

3,812

1,449

$$3,812 - 1,295$$

$$(3,800 - 1,300 = 2,500)$$

$$4,002 - 1,489$$

$$(4,000 - 1,500 = 2,500)$$

$$1,449 + 1,120$$

$$(1,400 + 1,100 = 2,500)$$