Name: _____ Date: _____

Multiplication using partitioning

Use partitioning to calculate TO × O

Challenge 1

1 $9 \times 3 =$ ☐
$90 \times 3 =$ ☐

2 $3 \times 8 =$ ☐
$30 \times 8 =$ ☐

3 $6 \times 4 =$ ☐
$60 \times 4 =$ ☐

Challenge 2

Approximate the answer to each calculation.

Example $63 \times 5 \rightarrow 60 \times 5 = 300$

1 $54 \times 3 \rightarrow$

2 $29 \times 5 \rightarrow$

3 $73 \times 4 \rightarrow$

4 $92 \times 8 \rightarrow$

Challenge 3

Partition each of the calculations above to work out the answer. Check your estimate is close to your answer.

Example

$63 \times 5 = (60 \times 5) + (3 \times 5)$
$= 300 + 15$
$= 315$

1 $54 \times 3 =$ ☐
$=$ ☐
$=$ ☐

2 $29 \times 5 =$ ☐
$=$ ☐
$=$ ☐

3 $73 \times 4 =$ ☐
$=$ ☐
$=$ ☐

4 $92 \times 8 =$ ☐
$=$ ☐
$=$ ☐

Choose two calculations. Explain to an adult how you worked them out. Give them two calculations to work out using the same method as you. Check their answers are correct.