

# Calculations

Year 8 / S2

## Activity 1

Question	Estimation	Exact Answer
$1,999 \times 4 =$		
$499 \times 478 =$		
$20,268 \div 4 =$		
$20 \times 3,456 =$		
$19 \times 5,002 =$		
$1,999 + 2,001 + 1,899 =$		
$99,999 + 89,999 =$		

## Activity 2

Solve the word problems.

- 1 Lewis cycled 56 miles everyday for 3 years. How many miles did he cover?

- 2 A theatre sold out its 280 seats. Half the seats were bought for adults, one quarter for children and one quarter for concessions. How much money did they make?

Ticket prices:

Adults	£22
Children	£14
Concessions	£18

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- 3 The population of Cardiff is 478,000. If the average ice-cream consumption is 23 per person per year, how many are consumed in total?

- 4 19,456 e-readers had an average of 345 books downloaded. How many books have been downloaded in total?

- 5 Wimbledon's Centre Court has a capacity of 14,979. If the average price for a ticket is £140, how much would they take from ticket sales?

## Activity 3

Write the value of the following.

$6^3$

$9^5$

$3^3$

$3^3 \times 3^9$

$6^3 \times 6^5$

$a^9 \times a^5$

$674 \times 10^3$

$345 \times 10^5$

$24 \times 10^2$

$123 \times 10^6$