

## Access: Estimating Practice

Try these and bring them back next week, I'll have example answers in the lesson. You might pick different numbers to me, but the principle is the same.

- 1) Write approximations for each of the numbers in this table

Accurate number	Estimation
12.92	13
159	
21.625	
10 062	
52.56	
3.14159	

- 2) **Estimate** the answer to this calculation

$$12.517 \div (96.27 - 85.93)$$

- 3) **Estimate** the answer to this calculation

$$67.96 + 17.85 + 0.9274$$

- 4) **Estimate** the answer to this calculation

$$105 \div 1.86^2$$

### More Estimating

Each row of the table below contains a BODMAS style expression. Try estimating the value of the expression. The first row has been completed as a reminder.

Calculation	Estimated version	Rough answer
$\frac{103}{1.86^2}$	$\frac{100}{2^2} = \frac{100}{4}$	25
$4.12^2 + 3.14159 \times 2.765$		
$\frac{5.034^2}{1.1415 + 9.067}$		
$3.14159 \times 5.67^2 \times 19.913$		
$\frac{9.91278 + 10.10967}{5.1218 \times 3.99712}$		
$\sqrt{10.99978 + 5.092378}$		