

# Quick Test - Estimation skills

1. Without using a calculator estimate the following answers

a.	$6567 \times 1.98$	b.	$7135 \times 2.14$
c.	$8091 \times 1.457$	d.	$99 \times 2.54 \times 2.031$
e.	$39.5 \times 1.4256 \times 5.003$	f.	$22 \times 22 \times 21$
g.	$45.44 \div 9.445$	h.	$9156 \div 81$
i.	$34504 \div 7134$	j.	$62000 \div 976$
k.	$(55.35 \times 194560) \div 9.46$	l.	$\pi \div 3$

2. At the start of the week, a shop had approximately 16000 cartons of orange juice in stock. The shop sold 1487 on Monday, 2659 on Tuesday, 1678 on Wednesday, 1478 on Thursday, 2967 on Friday. Estimate the number of cartons remaining.

3. John needs to estimate the size of his front room to buy paint to cover the walls. Two of the walls measure 2.89m x 3.17m, and the other two walls measure 2.89m x 3.56m

a. estimate the area of the walls that John needs to paint

b. If one tin of paint covers  $15m^2$ , how many tins of paint will John need?

4. Explain how these calculations are wrong, without working them out.

a.	$13 \times 1.3 = 11.6$	b.	$25 \times -25 = 625$
c.	$56 \times 236 = 780$	d.	$0.8 \times 12 = 13.3$
e.	$0.8 \div 1.4 = 1.2$	f.	$\sqrt[3]{216} = 6 \text{ or } -6$
g.	$5^3 = -125$	h.	$0.5^2 = 0.75$