**Estimation and Approximation**

Work out an estimate by rounding each number to 1 significant figure.

(a) $39.3+43.2$ (b) $213-108$

(c) $\frac{876}{29}$ (d) $\frac{53-11.2}{4.97-1.1}$

(e) $\frac{4.9×8.2}{3.91}$ (f) $\frac{4.05}{2.1^{2}}$

Work out an estimate by rounding each number to 1 significant figure.

(a) $2110-893$ (b) $4.6109+3.401$

(c) $\frac{15.2+84.7}{3.97}$ (d) $\frac{8.49}{1.7}$

(e) $\frac{9.03×6.2}{2.5^{2}}$ (f) $\frac{5.02^{3}}{4.865}$

1 litre of paint can cover approximately 11 m2 of wall. Frank wants to paint two walls each of which are 2.15 m high and 6.89 m wide. Estimate how many 1 litre tins Frank will need.

Amir chooses two numbers from the list.

44.37 44.44 44.48 44.53

44.55 44.63 44.67 44.71

When he rounds the two numbers to 1 decimal place, they are equal.

When he rounds the two numbers to 2 significant figures, they are not equal.

Which two numbers did Amir choose?

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