1. $2\dfrac{1}{4} \div \left(\dfrac{9}{10} + \dfrac{2}{3} \right)$
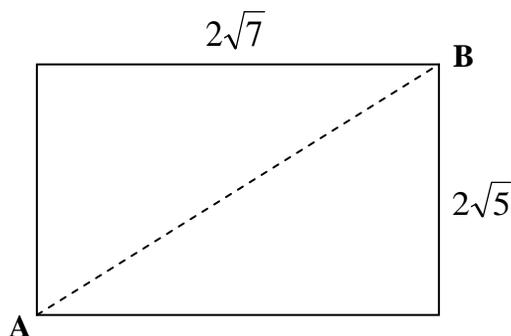
2. Express with a rational denominator $\dfrac{5}{4 - \sqrt{3}}$

3. My new car has just cost me £18,000. Its value will depreciate by 20% every year. How much will it be worth when I trade it in 3 years from now? Give your answer to 2 significant figures.

4. Express $2\sqrt{5} + \sqrt{20} - \sqrt{45}$ as a surd in its simplest form.

5. Due to fire damage, the value of a painting has fallen by 34% and is now valued at £4158. What was its value before the damage?

6. Find the length of the diagonal, AB, of this rectangle leaving your answer as a surd in its simplest form.

End of Home Ex