

S2 Revision Homework 2.

- ① Calculate $3\frac{1}{2} \times 2\frac{1}{3}$
- ② Calculate (a) $27\frac{1}{2}\%$ of £80 (b) 7% of £24
- ③ The mean age of 5 girls is 9 years. A new girl joins the group and the mean age is $9\frac{1}{2}$ years. What age was the new girl?
- ④ A window box contains 5 pansies and 4 geraniums.
(a) What fraction of the flowers are pansies?
(b) What percentage of the flowers are geraniums?
Give your answers to 3 significant figures.
- ⑤ Calculate the range, mode, median and mean of the following temperatures. -2°C , 1°C , 6°C , -3°C , 5°C , 1°C , 0
- ⑥ Mr Evans buys 6 boxes of apples for £12 a box. Each box contains 80 apples. He then sells the apples in packs of five for £1.20 per pack. What is his percentage profit?
- ⑦ James has 3l of red paint, 5l of blue paint and 5l of white paint. He mixes purple paint by mixing red, blue and white paint in the ratio $2:3:1$. What is the maximum volume of purple paint that he can mix?