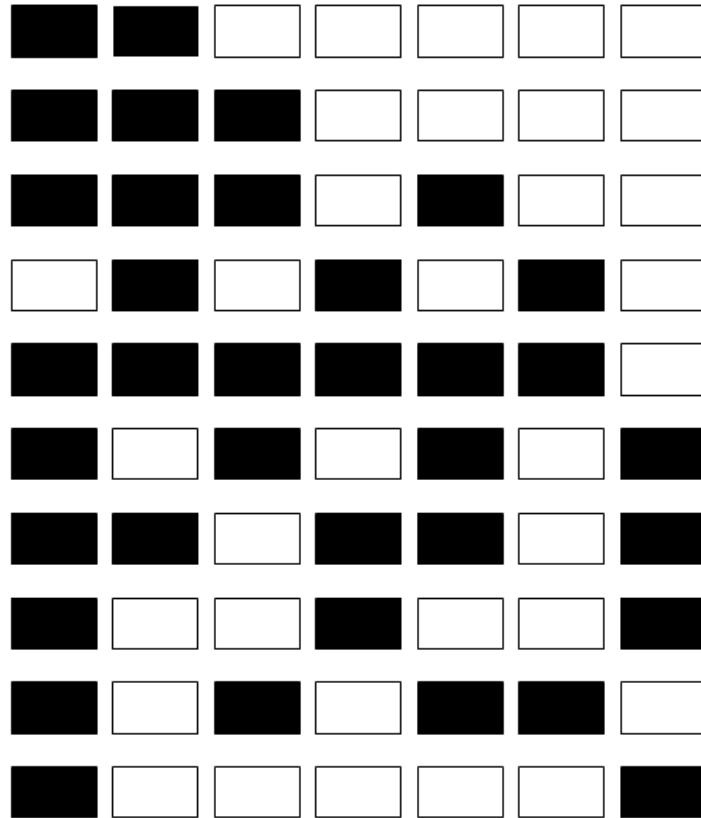


Year 6 Maths Homework

Due in Friday 20th March

Choose either Challenge 1 or 2 and complete the work in your homework books.

Challenge 1 – For each of the following patterns, give the ratio of shaded blocks to unshaded blocks:



Challenge 2 – Solve these problems in your homework book:

1. There are nine girls to every four boys at a swimming pool. There are 16 boys at the pool. How many girls are there?
2. For every five adults on a bus there are three children. There are 21 children on the bus. How many adults are there?
3. At a concert there are seven children to every three adults. There are 280 children at the concert. How many adults are there?
4. Statistically, for every one winning raffle ticket at a school fair there were 29 losing tickets. Eight people won a raffle prize. How many losing tickets were sold?
5. Rachel answers seven questions correctly for every 5 she gets incorrect in a test. Her final score is 42. How many questions did she get wrong?
6. In an orchard there are 5 apple trees for every 2 pear trees. There are 350 apple trees. How many pear trees are there?
7. A jeweller mends 7 watches for every 2 he sells. In one month he mends 56 watches. How many does he sell?
8. There are four chocolates with soft centres to every five with hard centres in a box. James loves soft centred chocolates and eats them all, 28 altogether. How many chocolates are left?
9. A school trip requires 1 adult for every 12 children who are going. 132 children go on the trip. How many adults must go?
10. Nine schools go on the above trip altogether. 50 adults arrive at first. How many more must turn up?