Ratio of Patterns

For each of these patterns, give the ratio of **shaded shapes** to **unshaded shapes.** Simplify if you can!

1.

2.

3.

4.

5.

Ratio Problem Solving

Solve these worded problems by identifying the ratio each time and using it to find the solution.

6. At a concert there are seven children to every three adults. There are 280 children at the concert. How many adults are there?

7. 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?

8. 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?

9. In an orchard there are 5 apple trees for every 2 pear trees. There are 350 apple trees. How many pear trees are there?

10. A jeweller mends 7 watches for every 2 he sells. In one month he mends 56 watches. How many does he sell?