

Percent Squares Answer Key

1. Part = 6, Whole = 12, Percent = 50%
2. Part = 4, Whole = 12, Percent = $33\frac{1}{3}\%$
3. Part = 8, Whole = 12, Percent = $66\frac{2}{3}\%$
4. Part = 8, Whole = 12, Percent = $66\frac{2}{3}\%$
5. Part = 9, Whole = 12, Percent = 75%
6. Part = 3, Whole = 12, Percent = 25%
7. Part = 9, Whole = 12, Percent = 75%
8. Part = 11, Whole = 12, Percent = $91\frac{2}{3}\%$
9. Part = 6, Whole = 12, Percent = 50%
10. Part = 10, Whole = 12, Percent = $83\frac{1}{3}\%$

Teacher's Guide

- Quick implementation tips
 - o Review that the shaded squares represent the part and all squares represent the whole.
 - o Have students write the fraction before converting it to a percent.
 - o Encourage simplifying the fraction when possible.
- Differentiation strategies
 - o Allow students to color the unshaded squares to make counting easier.
 - o Pair students to compare their counting before calculating the percent.
 - o Challenge advanced students to express each answer as a fraction, decimal, and percent.
- Engagement ideas
 - o Ask students to identify which pictures represent more than 75% shaded.
 - o Have students create a new 3×4 picture for a partner to solve.
- Extension activities
 - o Students design their own 12-square grid with a target percent.
 - o Ask students to explain why different pictures can represent the same percent.
 - o Have students order the pictures from the smallest percent shaded to the largest.