



Math Worksheet for 6th Grade

Equivalent representations of percent problems

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. A 10×10 grid has 27 squares shaded. What fraction, decimal, and percent are shaded?
2. A 10×10 grid has 5 squares shaded. What fraction, decimal, and percent are shaded?
3. A 10×10 grid has 80 squares shaded. What fraction, decimal, and percent are shaded?
4. A circle is divided into 4 equal parts and 1 part is shaded. What fraction, decimal, and percent are shaded?
5. A rectangle is split into 5 equal parts and 2 parts are shaded. What fraction, decimal, and percent are shaded?
6. A 100-dot chart has 13 dots shaded. What fraction, decimal, and percent are shaded?
7. A 20-block model has 6 blocks shaded. What fraction, decimal, and percent are shaded?
8. A 50-square chart has 10 squares shaded. What fraction, decimal, and percent are shaded?
9. A pie chart has 3 out of 8 equal slices shaded. What fraction, decimal, and percent are shaded?
10. A 4×5 grid (20 squares) has 14 squares shaded. What fraction, decimal, and percent are shaded?
11. Convert 75% to a decimal and to a simplest fraction.
12. Convert 5% to a decimal and to a simplest fraction.
13. Convert 40% to a decimal and to a simplest fraction.
14. Convert 12.5% to a decimal and to a simplest fraction.
15. Convert 60% to a decimal and to a simplest fraction.
16. Convert 33% to a decimal and to a fraction (as a fraction of 100).
17. Convert 1% to a decimal and to a fraction.
18. Convert 90% to a decimal and to a simplest fraction.
19. Convert 25% to a decimal and to a simplest fraction.
20. Convert 2.5% to a decimal and to a simplest fraction.
21. What is 10% of 60?
22. What is 25% of 80?
23. What is 50% of 34?
24. What is 5% of 200?
25. What is 75% of 40?
26. What is 20% of 150?
27. What is 1% of 300?
28. What is 15% of 60?
29. What is 30% of 90?
30. What is 12.5% of 40?
31. Rewrite 0.2 as a percent and as a fraction.



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32. Rewrite 0.08 as a percent and as a fraction (simplest form).
33. Rewrite $\frac{3}{4}$ as a percent and as a decimal.
34. Rewrite $\frac{7}{10}$ as a percent and as a decimal.
35. Rewrite 45% as a decimal and as a simplest fraction.
36. Rewrite 0.6 as a percent and as a simplest fraction.
37. Rewrite 125% as a decimal and as a simplest fraction.
38. Rewrite $\frac{9}{20}$ as a percent and as a decimal.
39. Rewrite $\frac{11}{25}$ as a percent and as a decimal.
40. Rewrite 4% as a decimal and as a simplest fraction.
41. Find 10% of 250.
42. Find 1% of 450.
43. Find 5% of 120.
44. Find 25% of 200.
45. Find 50% of 18.
46. Find 75% of 80.
47. Find 15% of 200.
48. Find 2% of 500.
49. Find 20% of 45.
50. Find 40% of 15.