



Math Worksheet for 6th Grade

Equivalent representations of percent problems

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. A 10×10 grid has 37 squares shaded. What fraction, decimal, and percent are shaded?
2. A circle is divided into 8 equal slices and 3 slices are shaded. What fraction, decimal, and percent are shaded?
3. A bar is divided into 5 equal parts and 4 parts are shaded. Give the fraction, decimal, and percent shaded.
4. A 4×5 rectangle (20 equal squares) has 6 squares shaded. What fraction, decimal, and percent are shaded?
5. A shape is divided into 12 equal parts and 9 parts are shaded. What fraction, decimal, and percent are shaded?
6. A hundred-dot grid has 2 dots shaded. What fraction, decimal, and percent are shaded?
7. Convert 45
8. Convert 125
9. Convert 0.6
10. Convert 12.5
11. Convert 250
12. Convert 37.5
13. Convert 0.25
14. Convert 80
15. Convert 3
16. What is 20
17. What is 15
18. Find 125
19. A sweater costs \$40 and is 30% off. How much is the discount? What is the sale price?
20. In a class of 24 students, 75% passed a test. How many students passed?
21. In a town of 3,200 people, 2% are left-handed. How many left-handed people are there?
22. A recipe calls for 250 g of sugar. If you use 40% of that amount, how many grams do you use?
23. A 300-page book: you read 33% of it. How many pages did you read? (Use $33\% = 0.33$)



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24. A \$120 purchase has a 5
25. You scored 2,400 points which is 80
26. A number increased by 10
27. Rewrite $\frac{3}{4}$ as a percent and as a decimal.
28. Rewrite $\frac{7}{20}$ as a percent and as a decimal.
29. Rewrite 0.02 as a fraction and as a percent.
30. Rewrite $\frac{9}{10}$ as a percent and as a decimal.
31. Rewrite 2.5
32. Express $\frac{18}{25}$ as a percent and as a decimal.
33. Express 0.875 as a percent and as a fraction.
34. Find 10
35. Find 5
36. Find 1
37. Find 2
38. Find 25
39. Find 75
40. Find 15
41. Find 12.5
42. Find 40
43. If 30
44. Find 0.5



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45. A store sells two identical items at \$40 each. The second item is 60% off. What is the total cost for both items?
46. A test has 50 questions. The class average is 82%. On average, how many questions did a student get correct?
47. A survey says $\frac{2}{5}$ of students like soccer. Express that as a percent and a decimal. If there are 120 students, how many like soccer?
48. A battery is 0.65 full. Express that as a percent and as a fraction in lowest terms.
49. A \$80 item is reduced by 30

50. A pizza is cut into 8 equal slices. If 37.5