Math 01 Skills Practice: Decimals and Percents

Here we practice calculating decimals and percents, corresponding to Chapter 4 of the textbook. Remember to be careful with the decimal point of your answer. Solutions to odd numbered questions are at the end. Similar questions will be on the final.

Q1. Convert this fraction to a decimal: $\dfrac{7}{10}$

Q2. Convert this fraction to a decimal: $\dfrac{2}{5}$

Q3. Convert this fraction to a decimal: $\dfrac{3}{8}$

Q4. Convert this fraction to a decimal: $\dfrac{1}{7}$

Q5. Find: $1.26 + 3.75$

Q6. Find: $9.98 + 3.34$

Q7. Multiply 3.41 by 9.7

Q8. Multiply 7.3 by 3.44

Q9. Evaluate: $3002.1 + 9.99$

Q10. Evaluate: $2.3 + 0.023$

Q11. Evaluate: $44.34 - 8.7$

Q12. Evaluate: $9.077 - 8.47$

Q13. Evaluate: $-6.2 + 3.44$

Q14. Evaluate: $-10.2 - 0.88$

Q15. Find: 45.2×100

Q16. Find: 0.0031×1000

Q17. Find: 34.1×0.96

Q18. Find: 2.03×4.777

Q19. Compute: $0.44 \div 1000$

Q20. Compute: $20.3 \div 100$

Q21. Evaluate: $14.2 \div 0.2$

Q22. Evaluate: $17.5 \div 1.4$

Q23. Round to the nearest hundredth: 12.3661

Q24. Round to the nearest tenth: 9.919

Q25. Find $3.89 \div 6.7$ and round your answer to one decimal place.

Q26. Find $9.023 \div 0.9$ and round your answer to two decimal places.

Q27. Find the average of the numbers $9.02, 2.8, 4.52$ and round your answer to two decimal places.

Q28. Find the average of the numbers $7.02, 6.3, 7.52, 7$ and round your answer to two decimal places.

Q29. Express as a percent: 0.06

Q30. Express as a percent: 1.2

Q31. Express as a fraction: 98%

Q32. Express as a fraction: 3.4%

Q33. Express as a percent: $\dfrac{7}{25}$

Q34. Express as a percent: $\dfrac{9}{15}$

Q35. Express as a percent, rounded to the nearest tenth of a percent: $\dfrac{1}{7}$

Q36. Express as a percent, rounded to the nearest percent: $\dfrac{2}{13}$

Q37. Find 4% of 130

Q38. Find 15% of 5.6

Q39. Reduce 250 by 6%

Q40. Increase 170 by 30%

Q41. Write in scientific notation: (a) 67800, (b) 0.000019

Answers to odd numbered questions.

Q1: 0.7 **Q3:** 0.375 **Q5:** 5.01 **Q7:** 33.077 **Q9:** 3012.09 **Q11:** 35.64 **Q13:** -2.76 **Q15:** $4,520$ **Q17:** 32.736 **Q19:** 0.00044 **Q21:** 71 **Q23:** 12.37 **Q25:** 0.6 **Q27:** 5.45 **Q29:** 6% **Q31:** $49/50$ **Q33:** 28% **Q35:** 14.3% **Q37:** 5.2 **Q39:** 235 **Q41:** (a) 6.78×10^4, (b) 1.9×10^{-5}

C. O'S. 5/8/16