Fractions, decimals and percents

Fill in the blanks: the fraction in simplest form, then the decimal, then the percent.

Name _____ Date _____

1. _____ = _____ = 57%
2. 7/4 = _____ = _____%
3. 3/5 = _____ = _____%
4. _____ = _____ = 3%
5. _____ = 0.3 = _____%
6. 5/2 = _____ = _____%
7. 1/5 = _____ = _____%
8. _____ = 0.9 = _____%
9. _____ = 0.125 = _____%
10. _____ = _____ = 6%
11. _____ = 1.5 = _____%
12. _____ = 0.25 = _____%
13. _____ = _____ = 70%
14. _____ = 2.5 = _____%
15. 1/50 = _____ = _____%
16. _____ = _____ = 10%
17. 17/100 = _____ = _____%
18. _____ = 0.8 = _____%
19. 2/25 = _____ = _____%
20. _____ = _____ = 62.5%

Fractions, decimals and percents: answer key

Each answer in colour, with the working before it.

1. 57 ÷ 100 = 0.57; 0.57 = 57/100
   57/100 = 0.57 = 57%
2. 7 ÷ 4 = 1.75; 1.75 × 100 = 175%
   7/4 = 1.75 = 175%
3. 3 ÷ 5 = 0.6; 0.6 × 100 = 60%; 3/5 = 0.6 = 60%
4. 3 ÷ 100 = 0.03; 0.03 = 3/100
   3/100 = 0.03 = 3%
5. 0.3 = 3/10; 0.3 × 100 = 30%; 3/10 = 0.3 = 30%
6. 5 ÷ 2 = 2.5; 2.5 × 100 = 250%
   5/2 = 2.5 = 250%
7. 1 ÷ 5 = 0.2; 0.2 × 100 = 20%; 1/5 = 0.2 = 20%
8. 0.9 = 9/10; 0.9 × 100 = 90%
   9/10 = 0.9 = 90%
9. 0.125 = 125/1000 = 1/8; 0.125 × 100 = 12.5%
   1/8 = 0.125 = 12.5%
10. 6 ÷ 100 = 0.06; 0.06 = 6/100 = 3/50
    3/50 = 0.06 = 6%
11. 1.5 = 15/10 = 3/2; 1.5 × 100 = 150%
    3/2 = 1.5 = 150%
12. 0.25 = 25/100 = 1/4; 0.25 × 100 = 25%
    1/4 = 0.25 = 25%
13. 70 ÷ 100 = 0.7; 0.7 = 7/10; 7/10 = 0.7 = 70%
14. 2.5 = 25/10 = 5/2; 2.5 × 100 = 250%
    5/2 = 2.5 = 250%
15. 1 ÷ 50 = 0.02; 0.02 × 100 = 2%
    1/50 = 0.02 = 2%
16. 10 ÷ 100 = 0.1; 0.1 = 1/10; 1/10 = 0.1 = 10%
17. 17 ÷ 100 = 0.17; 0.17 × 100 = 17%
    17/100 = 0.17 = 17%
18. 0.8 = 8/10 = 4/5; 0.8 × 100 = 80%
    4/5 = 0.8 = 80%
19. 2 ÷ 25 = 0.08; 0.08 × 100 = 8%
    2/25 = 0.08 = 8%
20. 62.5 ÷ 100 = 0.625; 0.625 = 625/1000 = 5/8
    5/8 = 0.625 = 62.5%