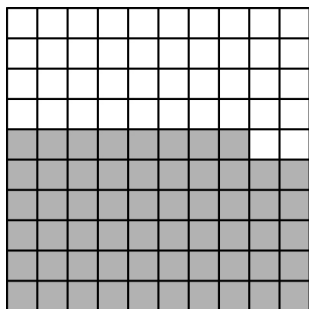# Chapter 4 Test

For #1 to #6, choose the letter representing the term that best matches each description. Each letter may be used more than once or not at all.

1. _____ $3.4\overline{52}$

2. _____ 24.89898989

3. _____ about two thirds

4. _____ $\dfrac{4}{5}$

5. _____ $43.\overline{8}$

6. _____ 1400

A terminating decimal
B repeating decimal
C 80 percent
D 65%
E 50%

For #7 to #10, circle the best answer.

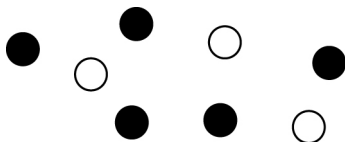**7.** Convert $\dfrac{11}{20}$ to decimal form.

    A 0.45   **B** 0.55   **C** 0.6   **D** 1.818181…

8. Write 0.78 as a percent.

    A 0.78%   **B** 7.8%   **C** 78%   **D** 780%

9. Find 58% of 250.

    A 431   **B** 145   **C** 4.31   **D** 0.232

10. What percent does the shaded region below represent?

    A 48%   **B** 58%   **C** 60%   **D** 62%

Short Answer

11. What percent of the disks shown are white?

12. A radio is on sale at 35% off the regular price of $35.99. How much is the discount?

13. In a grade seven class, 18 students have pets and 12 do not. What percent of the class has a pet?

14. Arrange the numbers 0.55, $\frac{2}{3}$, and 60% in ascending order.

15. a) Calculate 45% of 60, 28% of 120, 65% of 80, and 25% of 200.
    b) Arrange your answers in descending order.

16. A plumber charges $45 to come and unplug a drain. If GST is 6%, estimate and then calculate the total cost for the plumber.

17. Fifty-eight women and 32 men belong to the wellness club at Metco Manufacturing. Thirty-five women and 25 men plan to go on the ski trip. What percent of the club is going skiing?

18. Sarah is buying some entertainment equipment for her apartment.

Item	Regular Price	Discount
Television	$895	15% off
DVD video recorder	$225	20% off
Stereo receiver	$310	25% off

Calculate the cost of Sarah's purchases before tax.

19. Amir owns and operates a clothing store. He sells a shirt for $59.95. He originally bought the shirt for $40.50. What is the buying price as a percent of his selling price?

Extended Response

20. Tara is shopping for a cruise vacation. A–1 Travel has a $1400 cruise at 15% off. Cruise Deluxe has almost the identical package for $1510 at 20% off. Which company is offering the better price? Justify your answer.

21. Your calculator display shows a decimal value of 0.52525252525. Write the exact decimal value of the number. Explain your thinking.

22. Describe a simple way to estimate 30% of $139.95.