

MODULE 9

Percents in Real Life

ANSWER KEY

Canada

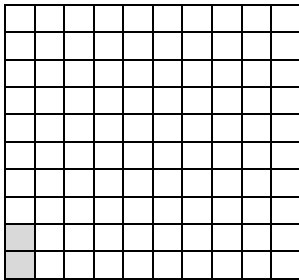
EMPLOYMENT
ONTARIO

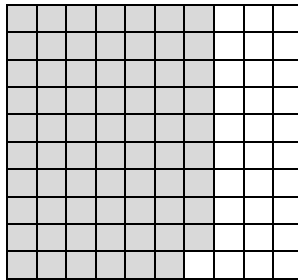
Ontario

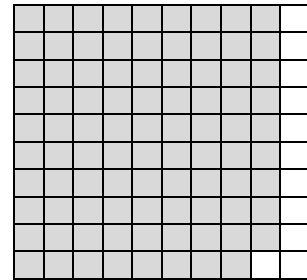


Exercise 1A

What percent of each flat is shaded?







Exercise 1B

Write the percent.

4. 10 out of 100 _____ 5. 13 out of 100 _____

6. 7 out of 100 _____ 7. 0 out of 100 _____

8. 98 out of 100 _____ 9. 67 out of 100 _____

10. 25 out of 100 _____ 11. 18 out of 100 _____

Exercise 1-C

Use the chart to solve the problem.

12. How many employees said July was their favourite month to vacation?

13. What percent of the employees said August was their favourite month to take a vacation? _____

14. What percent of the employees said either May or June was their favourite months to vacation? _____

15. What month did most of the employees say was their favourite month to take a vacation? _____

Exercise 2A

Write as a percent.

1. $\frac{16}{100}$

2. $\frac{81}{100}$

3. $\frac{1}{100}$

4. $\frac{3}{5}$

5. $\frac{3}{4}$

6. $\frac{16}{16}$

7. $\frac{1}{2}$

8. $\frac{9}{20}$

9. $\frac{3}{10}$

10. $\frac{113}{100}$

11. $\frac{2}{5}$

12. $\frac{6}{25}$

Exercise 2B

Write as a fraction.

13. 3% _____

14. 70% _____

15. 49% _____

16. 10% _____

17. 1% _____

18. 6% _____

19. 25% _____

20. 110% _____

21. 50% _____

22. 5% _____

23. 9% _____

24. 36% _____

25. 45% _____

26. 85% _____

27. 40% _____

Critical Thinking

28. What whole number is 100% equal to? _____

29. Explain how you would determine if 24% is greater than or less than $\frac{6}{25}$

Exercise 3A

Write as a percent.

1. 0.9 _____

2. 0.17 _____

3. 0.6 _____

4. 0.04 _____

5. 0.387 _____

6. 0.09 _____

7. 0.517 _____

8. 0.23 _____

9. 0.5 _____

10. 0.1 _____

11. 0.492 _____

12. 0.111 _____

13. 0.70 _____

14. 0.825 _____

15. 0.4 _____

Exercise 3B

Write as a decimal.

16. 37% _____

17. 98% _____

18. 3% _____

19. 42.9% _____

20. 63.1% _____

21. 14.2% _____

22. 2.9% _____

23. 85% _____

24. 9% _____

25. 4.3% _____

26. 24% _____

27. 1% _____

28. 6.3% _____

29. 84.9% _____

30. 3.7% _____

Calculating

Write each fraction as a decimal and as a percent. Use a calculator.

31. $\frac{3}{8}$ _____

32. $\frac{7}{8}$ _____

33. $\frac{1}{6}$ _____

34. $\frac{1}{7}$ _____

Exercise 4A**Use a fraction to find the number.**

1. 20% of 62 _____

2. 16% of 95 _____

3. 6% of 49 _____

4. 43% of 80 _____

5. 20% of 140 _____

6. 35% of 55 _____

7. 49% of 110 _____

8. 64% of 85 _____

9. 90% of 180 _____

10. 91% of 150 _____

Exercise 4B**Use a decimal to find the number.**

11. 10% of 190 _____

12. 47% of 74 _____

13. 62% of 145 _____

14. 92% of 180 _____

15. 75% of 150 _____

16. 27% of 550 _____

17. 19% of 100 _____

18. 83% of 91 _____

19. 42% of 80 _____

20. 8% of 25 _____

Calculating**Use the % key on a calculator to find the following numbers. Round your answers to the nearest tenth or cent.**

21. 12 % of 55 _____

22. 19% of 80 _____

23. 14% of \$38.70 _____

24. 20% of \$229.99 _____

25. 80% of \$120.00 _____

26. 15% of 90 _____

Exercise 5A

Find the final price of each item.

1. 15% discount on a \$40 haircut. _____
2. 20% discount on a \$345 airline ticket. _____
3. 30% discount on a \$69.90 clock radio. _____
4. 25% discount on a \$559.50 washing machine. _____
5. 5% discount on a \$12,500 car. _____
6. 40% discount on a \$429.70 television. _____
7. 10% discount on a \$389.59 DVD player. _____
8. 45% discount on a \$30.35 concert ticket. _____

Exercise 5B

Solve.

9. Gail works in a clothing store. She makes 10% commission on all of the goods she sells. Yesterday, she sold \$520 worth of goods. How much is her commission?

10. John and Jill go out for dinner. The bill is \$74.99. They leave a 15% tip. How much is the tip?

Exercise 5C**Which is the better buy?**

9. A \$16.50 compact disc reduced by \$2.00 or the same disc reduced 20%?

10. A \$140 telephone/answering machine at a 15% discount or a \$160 telephone/answering machine at a 25% discount?

11. A \$115 raincoat at 30% off or the same raincoat reduced by \$40?

Find the simple interest for each amount. Use $I = p \times r \times t$

Principal	Rate	Time	Interest
\$325	10%	2y	
\$500	6%	3y	
\$1,000	7%	2 ½ y	
\$1,450	9%	2y	
\$800	5%	4y	

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Review

Write the percent.

1. 3 out of 100_____ 2. 16 out of 100_____

3. 49 out of 100_____ 4. 23 out of 100_____

5. $\frac{13}{100}$ _____ 6. $\frac{62}{100}$ _____ 7. $\frac{2}{100}$ _____

8. $\frac{1}{25}$ _____ 9. $\frac{2}{5}$ _____ 10. $\frac{7}{10}$ _____

Write as a fraction in simplest form.

11. 5%_____ 12. 17%_____ 13. 35%_____

14. 8%_____ 15. 40%_____ 16. 29%_____

Write as a decimal.

17. 42%_____ 18. 4.7%_____ 19. 33.4%_____

20. 3.9%_____ 21. 6.3%_____ 22. 12%_____

Use a fraction or a decimal to find the number.

23. 18% of 40_____ 24. 12% of 52_____

25. 33% of 60_____ 26. 20% of \$149.88_____

Find the final price of each item.

27. 15% discount on a \$50 skirt_____

28. 20% discount on a \$69 sweater_____