

Business Programs: Practice Math Assessment

Calculators are allowed

Reduce fractions to lowest terms

1. Write 3,367,240 as a word statement.

2. $10.4 + 1.34 + 367.6 =$ _____

3. $546.768 - 5.76 =$ _____

4. $0.62 \times 100 =$ _____

5. $20.25 \div 0.1 =$ _____

6. If one coin weighs $\frac{1}{2}$ a gram, what will 250 coins weigh?

7. Steve bought a can of pop for \$2.43, 12 apples for \$4.99, spaghetti for \$1.89, a bar of chocolate for \$1.50, and a jar of cashew nuts for \$4.56. He gave the cashier \$40.00. How much change did Steve will receive?

8. A receptionist wage per hour is \$12.63. What is the gross pay per week for 35 hours?

For more practice with decimals, whole numbers and simple arithmetic go to Study Guide 1 – Decimal Review

9. $45 \frac{1}{2} + 11 \frac{1}{3} =$ _____

10. $8 \frac{3}{4} - 3 \frac{1}{4} =$ _____

11. $25 \frac{1}{2} \times 12 \frac{3}{4} =$ _____

12. $60 \frac{1}{4} \div 8 \frac{1}{2} =$ _____

For more practice with fractions go to Study Guide 2 – Fractions

13. Write 45 thousandths as a decimal. _____

14. Round 12.86923 to the nearest thousandth. _____

15. Change $6\frac{1}{3}$ to a decimal. _____
16. Change .25 to a fraction. _____
17. Express 85% as a decimal. _____
18. Express the value of seven thousandths as a decimal. _____
19. Express the value of $5\frac{1}{4}$ as a decimal. _____
20. 60% of 155 _____
21. 60 is 30% of _____
22. 80% of \$235.00 _____
23. 25 is what percent of 150? _____
24. Carpet is \$15.76 per metre. Lehen needs 7.5 metres. Installation cost \$75.45. Calculate the cost of materials including tax at 6% on the total.
25. An employee was given a 1.5% pay raise on a base of \$15.70 per hour. What is the new hourly rate?
26. A vacation to Seattle costs \$2800 for 3 days. The tax on this vacation is 11%. How much is the total tax?
27. On a phone survey, Lenore found out that 13 of the students were in the Tourism Management Program, 22 were in the Physical Education Program, and 9 were in Hairdressing. What percentage were in Tourism Management?

For more practice with percentages go to Study Guide 3 – Percentages

Use the following equivalents for questions 28 - 30

1 litre	=	.26 gallons
1 kilogram	=	2.2 pounds
1 metre	=	39.37 inches
1 kilometre	=	.62 mile

28. Duncan is approx. 50 kilometres from Nanaimo. How many miles is the round trip? _____
29. A container of juice contains 28 litres of juice, or _____ gallons.
30. A crate of apples weighs 140 pounds or _____ kilograms.

For more practice with conversions go to Study Guide 4 – Units of Measurement

Answers on the next page

Answers:

1. Three million, three hundred and sixty-seven thousand, two hundred and forty
2. 379.34
3. 541.008
4. 62
5. 202.5
6. 125g
7. \$24.63
8. \$442.05
9. $56 \frac{5}{6}$
10. $5 \frac{1}{2}$
11. 325.125
12. 7.088
13. 0.045
14. 12.869
15. 6.33333
16. $\frac{1}{4}$
17. 0.85
18. 0.007
19. 5.25
20. 93
21. 200
22. \$188
23. 16.66667 or 16.67
24. \$205.27
25. \$15.94
26. \$308
27. 29.544445% or 29.55%
28. 62 miles
29. 7.28 gallons
30. 63.64 kilos