

ACT Activities

Examples directly align to Business Management & Administration,
Marketing, and Finance course standards

Career Cluster: Business Management & Administration

Mathematics in Introduction to Business & Marketing – Addresses Standard 15

As a salesperson, your commission is directly proportional to the dollar amount of sales you make. If your sales are \$800, your commission is \$112. How much commission would you earn if you had \$1,400 in sales?

- A. \$210
- B. \$196
- C. \$175
- D. \$128
- E. \$ 64

Source: The ACT Practice Test: 2005-06. <https://www.powerscore.com/sat/help/content/ACT%20Practice%20Tests%202005-2006.pdf>. Visited February 25, 2016

Career Cluster: Business Management & Administration

Mathematics in Business Management – Addresses Standard 21

Sales for a business were 3 million dollars more the second year than the first, and sales for the third year were double the sales for the second year. If sales for the third year were 38 million dollars, what were sales, in millions of dollars, for the first year?

- A. 16
- B. 17.5
- C. 20.5
- D. 22
- E. 35



Career Cluster: Marketing

Mathematics in Introduction to Business & Marketing – Addresses Standard 15

Marcia makes and sells handcrafted picture frames in 2 sizes: small and large. It takes her 2 hours to make a small frame and 3 hours to make a large frame. Marcia sells all the frames she makes; \$10 dollars for each small frame and \$15 dollars for each large frame. For every hour that Marcia spends making frames in the second week of December each year, she donates \$2 from that week's profit to a local charity. This year, Marcia made 4 large frames and 2 small frames in that week. Which of the following is closest to the percent of that week's profit Marcia donated to the charity?

- A. 18%
- B. 25%
- C. 33%
- D. 40%**
- E. 50%

Source: The ACT Practice Test: 2014-25. http://cdn2.hubspot.net/hub/360031/file-2226679255-pdf/Documents/ACT_Test_2014-15.pdf?t=1456414152340. Visited February 25, 2016

Career Cluster: Marketing

Mathematics in Entrepreneurship – Addresses Standard 16

Two enterprising college students decide to start a business. They will make up and deliver helium balloon bouquets for special occasions. It will cost them \$39.99 to buy a machine to fill the balloons with helium. They estimate that it will cost them \$2.00 to buy the balloons, helium, and ribbons needed to make each balloon bouquet. Which of the following expressions could be used to model the total cost for producing b balloon bouquets?

- A. \$ $2.00b + \$39.99$**
- B. \$ $37.99b$
- C. \$ $39.99b + \$ 2.00$
- D. \$ $41.99b$
- E. \$ $79.98b$

Source: The ACT Practice Test: 2008-09. [http://cdn2.hubspot.net/hub/360031/file-2227156982-pdf/Documents/ACT_Test_2008-](http://cdn2.hubspot.net/hub/360031/file-2227156982-pdf/Documents/ACT_Test_2008-09.pdf?t=1456414152340)



Career Cluster: Finance

Mathematics in Introduction to Business & Marketing – Addresses Standard 14

A business plan consultant charges \$45 for each hour she works on the development of a business plan for a company, plus a flat \$30 consulting fee. How many hours of work are included in a \$210 business plan consultation bill?

- A. $2\frac{1}{8}$
- B. 4**
- C. $4\frac{1}{2}$
- D. $5\frac{3}{4}$
- E. 7

Source: The ACT Practice Test: 2011-12. http://cdn2.hubspot.net/hub/360031/file-2227156987-pdf/Documents/ACT_Test_2011-12.pdf?t=1456414152340. Visited February 25, 2016

Career Cluster: Finance

Mathematics in Banking and Finance – Addresses Standard 9

A local car dealership is having an end-of-the-model-year clearance sale and is offering 5% annual interest on new-car loans for 36, 48, or 60 months. The maximum amount a specified customer can budget for her monthly car payment is \$300. Of the following loan amounts, which one is the maximum that the sales manager should recommend for this customer?

- A. \$10,000
- B. \$13,000
- C. \$14,000
- D. \$15,000**
- E. \$20,000

Source: The ACT Practice Test: 2011-12. <https://www.powerscore.com/sat/help/content/ACT%20Practice%20Tests%202005-2006.pdf>. Visited February 25, 2016

