

Multi-Step Equations - Integers

Sheet 2

- 1) In the 2006 Winter Olympics, Sweden won 3 medals more than China. Germany secured one more than twice the number of medals bagged by Sweden. If 54 medals were won in all, how many medals did Germany secure?

- 2) A ship departs from Port Miami with 5,678 tons of cargo. The ship docks at the Bahamas and unloads $\frac{1}{4}$ times the quantity of cargo that was unloaded in Miami. How many tons of cargo did the ship unload in the Bahamas?

- 3) In 2013, a State Library had 1,278 books in its collection. During the year 2014, the library added 3,456 more books. Now the library holds 5 times as many books as it did in 2013. How many books did the library have in 2014?

- 4) Harriet gifts each of her 12 friends with 5 pens. If she has 50 pens left, how many pens did she have initially? If she had 6 retractable pens, calculate the total number of pens she had initially.

- 5) Darren has \$579 in his checking account. He swipes the card to buy three equally priced sweaters. He pays five times the amount that he paid for the sweaters to pay his credit card bill. If he has \$165 in his account now, how much did his credit card dues amount to?

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Answer key**Multi-Step Equations - Integers**

Sheet 2

- 1) In the 2006 Winter Olympics, Sweden won 3 medals more than China. Germany secured one more than twice the number of medals bagged by Sweden. If 54 medals were won in all, how many medals did Germany secure?

29 medals

- 2) A ship departs from Port Miami with 5,678 tons of cargo. The ship docks at the Bahamas and unloads $\frac{1}{4}$ times the quantity of cargo that was unloaded in Miami. How many tons of cargo did the ship unload in the Bahamas?

1,419.5

- 3) In 2013, a State Library had 17,300 books in its collection. During the year 2014, the library added 2,500 books to their collection. If the collection now is five times the size of the library hold in 2013, how many books did the library have in 2013?

17,300

- 4) Harriet gifts each of her 12 friends with 5 pens. If she has 50 pens left and 6 retractable pens, calculate the price of each pen.

\$2

- 5) Darren has \$579 in his checking account. He swipes the card to buy three equally priced sweaters. He pays five times the amount that he paid for the sweaters to pay his credit card bill. If he has \$165 in his account now, how much did his credit card dues amount to?

\$345

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