

One-Step Equations - Integers

Mul/Div: S1

- 1) During the year 2015, Jamie paid the rent well past the due date for the months of April, May and June. As a result, Jamie was charged a total of \$75 as late fee. How much did the landlord collect as late fee per month?

- 2) The kindergarten section of Lehigh Valley has 12 classrooms. If each classroom can accommodate 15 kids, how many children are there in all?

- 3) Juan sells raffle tickets at a charity event for \$6 each. How many tickets does he have to sell to make \$114?

- 4) Melanie works as a nanny and is paid \$14 per hour. If she puts in 40 hours of work in 7 days, how much will she earn in a week?

- 5) The non-fiction section at the Montgomery county library has 17 racks. If each rack holds 528 books, what is the total collection of non-fiction books in the library?

Answer key**One-Step Equations - Integers**

Mul/Div: S1

- 1) During the year 2015, Jamie paid the rent well past the due date for the months of April, May and June. As a result, Jamie was charged a total of \$75 as late fee. How much did the landlord collect as late fee per month?

$$\underline{3x = 75 ; \$25}$$

- 2) The kindergarten section of Lehigh Valley has 12 classrooms. If each classroom can accommodate 15 kids, how many children are there in all?

$$\underline{\frac{x}{12} = 15 ; 180 \text{ children}}$$

- 3) Juan sells raffle tickets at a charity event for \$6 each. How many tickets does he have to sell to make \$114?

$$\underline{6x = 114 ; 19 \text{ tickets}}$$

- 4) Melanie works as a nanny and is paid \$14 per hour. If she puts in 40 hours of work in 7 days, how much will she earn in a week?

$$\underline{\frac{x}{14} = 40 ; \$560}$$

- 5) The non-fiction section at the Montgomery county library has 17 racks. If each rack holds 528 books, what is the total collection of non-fiction books in the library?

$$\underline{\frac{x}{17} = 528 ; 8976 \text{ books}}$$

One-Step Equations - Integers

Mul/Div: S2

- 1) If Bob has 35 nickels in his piggy bank, how many cents does he have in all?

- 2) Kelly buys four cardigans for same price from Macys. How much will she be billed for, if each cardig

- 3) Susan, Lillian, Jo
hunt, 96 eggs w
of them receive?

- 4) Sam is seven tim
ld is Tim?

- 5) The San Jose team won a baseball tournament and the prize money was shared among 9 players. If the players received \$500 each, what was the total prize money won?

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Answer key**One-Step Equations - Integers**

Mul/Div: S2

- 1) If Bob has 35 nickels in his piggy bank, how many cents does he have in all?

$$\frac{x}{5} = 35 ; 175 \text{ cents}$$

- 2) Kelly buys four cardigans for same price from Macys. How much will she be billed for, if each cardigan costs \$19.75?

$$\frac{x}{4} = 79 ; \$$$

- 3) Susan, Lillian, Jonathan, and Tim shared 96 Easter eggs with their friends. At the end of the hunt, 96 eggs were left. How many Easter eggs did each of them receive?

$$4x = 96 ; 24$$

- 4) Sam is seven times as old as Tim. If Sam is 42 years old, how old is Tim?

$$7x = 42 ; 6 \text{ years}$$

- 5) The San Jose team won a baseball tournament and the prize money was shared among 9 players. If the players received \$500 each, what was the total prize money won?

$$\frac{x}{9} = 500 ; \$4500$$

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One-Step Equations - Integers

Mul/Div: S3

- 1) Apples picked from an orchard are put into sacks for sale. 5 sacks are loaded onto a small truck. If each sack contains 76 apples, how many apples are there in total?

- 2) If Joe earns an annual salary of \$72000, calculate his monthly income.

- 3) A group of students were seated across eight rows for their singing sessions. They were seated across eight rows. They were seated 33 students, how many students were there in total?

- 4) Betty is a swimmer who instructs a group of 5 batches of children. If there are 12 children in each batch, how many children does Betty instruct in total?

- 5) Andrew pays \$72 to rent a bike. If the rental rate is \$8 an hour, how many hours can he use the bike for?

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Answer key**One-Step Equations - Integers**

Mul/Div: S3

- 1) Apples picked from an orchard are put into sacks for sale. 5 sacks are loaded onto a small truck. If each sack contains 76 apples, how many apples are there in total?

$$\frac{x}{5} = 76 ; 380 \text{ apples}$$

- 2) If Joe earns an annual salary of \$72000, calculate his monthly income.

$$12x = 72000 ;$$

- 3) A group of students were seated across eight rows in a gymnasium during a PE session. They were seated 33 students in each row. How many students were there in total?
how many students were there in total?

$$\frac{x}{8} = 33 ; 264 \text{ students}$$

- 4) Betty is a swimmer who instructs a group of 5 batches of children. If there are 35 children in each batch, how many children does Betty instruct in total?
A large group of 5 batches of children were instructed by Betty in a swimming pool. If there are 35 children in each batch, how many children were there in total?
does Betty instruct in total?

$$5x = 35 ; 7 \text{ children}$$

- 5) Andrew pays \$72 to rent a bike. If the rental rate is \$8 an hour, how many hours can he use the bike for?

$$8x = 72 ; 9 \text{ hours}$$

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