

**One-Step Equations - Integers**

Add/Sub: S3

- 1) Tom has 25 bumblebee marbles and Marcus has a few more than Tom. If they have 56 marbles in all, how many bumblebee marbles does Marcus have?

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- 2) A lecture was attended by 95 people in the university auditorium. Eleven of them were students and the rest were senior professors. How many senior professors were there?

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- 3) Louise has 500 cents and James has 265 cents. How many more cents does Louise have than James?

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- 4) James purchased 12 tickets to his favorite sports event. He purchased 5 tickets for himself and the rest for his colleagues. How many tickets did he purchase for his colleagues?

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- 5) Ruby has to climb 36 steps to reach her apartment, on the third floor of the residential complex. She climbs 18 steps and reaches the second floor. How many more steps should she climb to reach her apartment?

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

Add/Sub: S3

- 1) Tom has 25 bumblebee marbles and Marcus has a few more than Tom. If they have 56 marbles in all, how many bumblebee marbles does Marcus have?

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$$x + 25 = 56 ; 31 \text{ marbles}$$

- 2) A lecture was attended by 95 people in the university auditorium. Eleven of them were students and the rest were senior professors. How many senior professors were there?

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$$x + 11 = 95 ; 84$$

- 3) Louise has 500 cents and James has a few cents on his visit. If Louise has 765 cents more than James, how many cents does James have?

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$$x + 500 = 765 ; 265$$

- 4) James purchased 7 tickets to his favorite sports event and his colleagues. If James paid \$15 more than his colleagues, how many tickets did he purchase?

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$$x - 7 = 8 ; 15 \text{ tickets}$$

- 5) Ruby has to climb 36 steps to reach her apartment, on the third floor of the residential complex. She climbs 18 steps and reaches the second floor. How many more steps should she climb to reach her apartment?

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$$x + 18 = 36 ; 18 \text{ steps}$$

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