

Question ID 60a9d40e

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: 60a9d40e

What value of p satisfies the equation $2p + 275 = 325$?

- A. 5
- B. 25
- C. 48
- D. 300

Question ID a906080d

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: a906080d

$(p + 3) + 8 = 10$

What value of *p* is the solution to the given equation?

- A. **−1**
- B. **5**
- C. **15**
- D. **21**

Question ID b5e310fe

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: b5e310fe

Henry receives a **\$60.00** gift card to pay for movies online. He uses his gift card to buy **3** movies for **\$7.50** each. If he spends the rest of his gift card balance on renting movies for **\$1.50** each, how many movies can Henry rent?

- A. **10**
- B. **25**
- C. **35**
- D. **40**

Question ID 0f723f63

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: 0f723f63

A principal used a total of **25** flags that were either blue or yellow for field day. The principal used **20** blue flags. How many yellow flags were used?

- A. **5**
- B. **20**
- C. **25**
- D. **30**

Question ID d984e195

Assessment	Test	Domain	Skill	Difficulty
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ID: d984e195

If $x = 7$, what is the value of $x + 20$?

- A. 13
- B. 20
- C. 27
- D. 34

Question ID c1991895

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: c1991895

If $3x = 30$, what is the value of $3x - 12$?

- A. -2
- B. 18
- C. 22
- D. 42

Question ID b41ed609

Assessment	Test	Domain	Skill	Difficulty
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ID: b41ed609

What value of p satisfies the equation $5p + 180 = 250$?

- A. 14
- B. 65
- C. 86
- D. 250

Question ID 1cc3f5be

Assessment	Test	Domain	Skill	Difficulty
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ID: 1cc3f5be

$w + 7 = 357$

What value of w is the solution to the given equation?

- A. 51
- B. 350
- C. 364
- D. 3,577

Question ID 350dc0c3

Assessment	Test	Domain	Skill	Difficulty
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ID: 350dc0c3

$8x = 88$

What value of x is the solution to the given equation?

- A. 11
- B. 80
- C. 96
- D. 704

Question ID 7245c960

Assessment	Test	Domain	Skill	Difficulty
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ID: 7245c960

$16x + 30 = 190$

Which equation has the same solution as the given equation?

- A. $16x = 30$
- B. $16x = 130$
- C. $16x = 160$
- D. $16x = 190$

Question ID 8d8919cb

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: 8d8919cb

On the first day of a semester, a film club has **90** members. Each day after the first day of the semester, **10** new members join the film club. If no members leave the film club, how many total members will the film club have **4** days after the first day of the semester?

- A. **400**
- B. **130**
- C. **94**
- D. **90**

Question ID ad3ae7d0

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Linear equations in one variable	<div><div></div><div></div><div></div></div>

ID: ad3ae7d0

A total of **165** people contributed to a charity event as either a donor or a volunteer. **130** people contributed as a donor. How many people contributed as a volunteer?

- A. **35**
- B. **130**
- C. **165**
- D. **330**

Question ID 7483c042

Assessment	Test	Domain	Skill	Difficulty
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ID: 7483c042

If $5x = 20$, what is the value of $15x$?

- A. 7
- B. 12
- C. 23
- D. 60

Question ID 9316cf35

Assessment	Test	Domain	Skill	Difficulty
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ID: 9316cf35

Lorenzo purchased a box of cereal and some strawberries at the grocery store. Lorenzo paid **\$2** for the box of cereal and **\$1.90** per pound for the strawberries. If Lorenzo paid a total of **\$9.60** for the box of cereal and the strawberries, which of the following equations can be used to find *p*, the number of pounds of strawberries Lorenzo purchased? (Assume there is no sales tax.)

- A. $1.90p + 2 = 9.60$
- B. $1.90p - 2 = 9.60$
- C. $1.90 + 2p = 9.60$
- D. $1.90 - 2p = 9.60$

Question ID 46c628f8

Assessment	Test	Domain	Skill	Difficulty
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ID: 46c628f8

$4x + 5 = 165$

What is the solution to the given equation?

Question ID 86188497

Assessment	Test	Domain	Skill	Difficulty
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ID: 86188497

If $7x = 28$, what is the value of $8x$?

- A. 21
- B. 32
- C. 168
- D. 224

Question ID 0b394bc8

Assessment	Test	Domain	Skill	Difficulty
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ID: 0b394bc8

If $x = 40$, what is the value of $x + 6$?

- A. 34
- B. 40
- C. 46
- D. 64

Question ID a7c02c04

Assessment	Test	Domain	Skill	Difficulty
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ID: a7c02c04

$k + 12 = 336$

What is the solution to the given equation?

- A. 28
- B. 324
- C. 348
- D. 4,032

Question ID 5cf46f74

Assessment	Test	Domain	Skill	Difficulty
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ID: 5cf46f74

$x + 40 = 95$

What value of x is the solution to the given equation?

Question ID b36e8383

Assessment	Test	Domain	Skill	Difficulty
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ID: b36e8383

$4x + 6 = 18$

Which equation has the same solution as the given equation?

- A. $4x = 108$
- B. $4x = 24$
- C. $4x = 12$
- D. $4x = 3$