Question ID 60a9d40e

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

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	Easy

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	Easy

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	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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	Easy

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	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

ID: 46c628f8

$$4x + 5 = 165$$

What is the solution to the given equation?

Question ID 86188497

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

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

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
PSAT 8/9	Math	Algebra	Linear equations in one variable	Easy

ID: 5cf46f74

$$x + 40 = 95$$

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

Question ID b36e8383

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

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. $4x = 3$