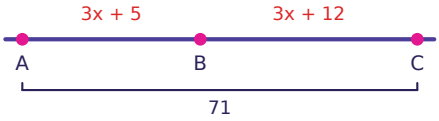
Segment Addition & Midpoints · 1

B is between A and C. AB = 3x + 5, BC = 3x + 12, and AC = 71. Find x.



Segment Addition & Midpoints · 2

M is the midpoint of AB. AM = 2x + 8 and MB = 5x - 1. Find x.



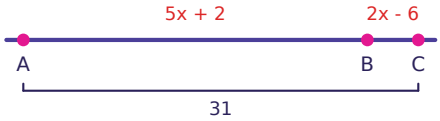
Segment Addition & Midpoints · 3

On a number line, A is at 0 and B is at 4. Find the coordinate of the midpoint M of AB.



Segment Addition & Midpoints · 4

B is between A and C. AB = 5x + 2, BC = 2x - 6, and AC = 31. Find x.



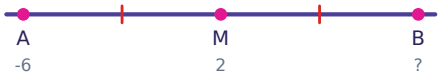
Segment Addition & Midpoints · 5

M is the midpoint of AB. AM = 4x - 3 and MB = 2x + 9. Find x.



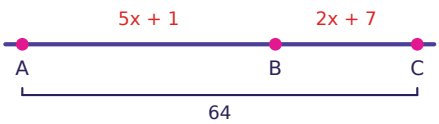
Segment Addition & Midpoints · 6

On a number line, M is the midpoint of AB. A is at -6 and M is at 2. Find the coordinate of B.



Segment Addition & Midpoints · 7

B is between A and C. AB = 5x + 1, BC = 2x + 7, and AC = 64. Find x.



Segment Addition & Midpoints · 8

M is the midpoint of AB. AM = x + 6 and MB = 2x + 2. Find x.



Segment Addition & Midpoints · 2

ANSWER

3

Segment Addition & Midpoints · 1

ANSWER

9

Segment Addition & Midpoints · 4

ANSWER

5

Segment Addition & Midpoints · 3

ANSWER

2

Segment Addition & Midpoints · 6

ANSWER

10

Segment Addition & Midpoints · 5

ANSWER

6

Segment Addition & Midpoints · 8

ANSWER

4

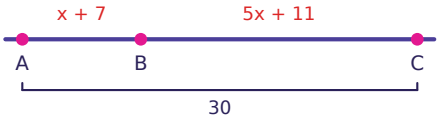
Segment Addition & Midpoints · 7

ANSWER

8

Segment Addition & Midpoints · 9

B is between A and C. AB = x + 7, BC = 5x + 11, and AC = 30. Find x.



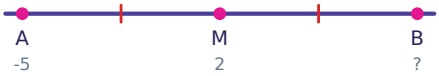
Segment Addition & Midpoints · 10

M is the midpoint of AB. AM = 3x + 4 and MB = 5x - 12. Find x.



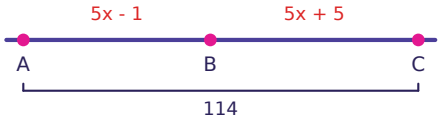
Segment Addition & Midpoints · 11

On a number line, M is the midpoint of AB. A is at -5 and M is at 2. Find the coordinate of B.



Segment Addition & Midpoints · 12

B is between A and C. AB = 5x - 1, BC = 5x + 5, and AC = 114. Find x.



Segment Addition & Midpoints · 13

M is the midpoint of AB. AM = 5x - 3 and MB = 4x + 5. Find x.



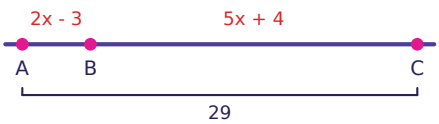
Segment Addition & Midpoints · 14

On a number line, M is the midpoint of AB. A is at -16 and M is at -3. Find the coordinate of B.



Segment Addition & Midpoints · 15

B is between A and C. AB = 2x - 3, BC = 5x + 4, and AC = 29. Find x.



Segment Addition & Midpoints · 16

M is the midpoint of AB. AM = 5x + 1 and MB = 6x - 8. Find x.



Segment Addition & Midpoints · 10

ANSWER

8

Segment Addition & Midpoints · 9

ANSWER

2

Segment Addition & Midpoints · 12

ANSWER

11

Segment Addition & Midpoints · 11

ANSWER

9

Segment Addition & Midpoints · 14

ANSWER

10

Segment Addition & Midpoints · 13

ANSWER

8

Segment Addition & Midpoints · 16

ANSWER

9

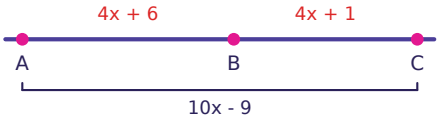
Segment Addition & Midpoints · 15

ANSWER

4

Segment Addition & Midpoints · 17

B is between A and C. AB = 4x + 6, BC = 4x + 1, and AC = 10x - 9. Find BC.



Segment Addition & Midpoints · 18

M is the midpoint of AB. AM = 4x + 8 and MB = 3x + 15. Find AB.



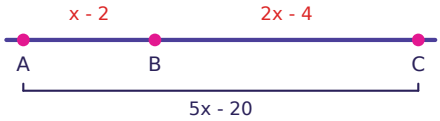
Segment Addition & Midpoints · 19

On a number line, A is at -11 and B is at -5. Find the coordinate of the midpoint M of AB.



Segment Addition & Midpoints · 20

B is between A and C. AB = x - 2, BC = 2x - 4, and AC = 5x - 20. Find AB.



Segment Addition & Midpoints · 21

M is the midpoint of AB. AM = 5x + 7 and MB = x + 23. Find AB.



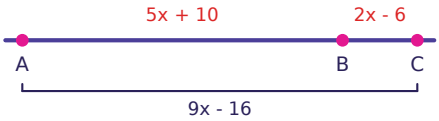
Segment Addition & Midpoints · 22

On a number line, A is at -10 and B is at 18. Find the coordinate of the midpoint M of AB.



Segment Addition & Midpoints · 23

B is between A and C. AB = 5x + 10, BC = 2x - 6, and AC = 9x - 16. Find BC.



Segment Addition & Midpoints · 24

M is the midpoint of AB. AM = 4x + 11 and MB = 5x + 9. Find AB.



Segment Addition & Midpoints · 18

ANSWER

72

Segment Addition & Midpoints · 17

ANSWER

33

Segment Addition & Midpoints · 20

ANSWER

5

Segment Addition & Midpoints · 19

ANSWER

-8

Segment Addition & Midpoints · 22

ANSWER

4

Segment Addition & Midpoints · 21

ANSWER

54

Segment Addition & Midpoints · 24

ANSWER

38

Segment Addition & Midpoints · 23

ANSWER

14