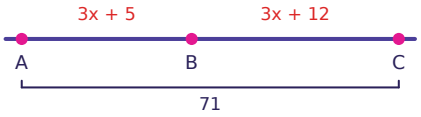
Task card 1 Segment Addition & Midpoints

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



Task card 2 Segment Addition & Midpoints

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



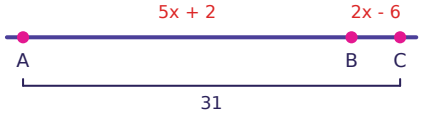
Task card 3 Segment Addition & Midpoints

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



Task card 4 Segment Addition & Midpoints

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



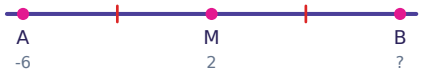
Task card 5 Segment Addition & Midpoints

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



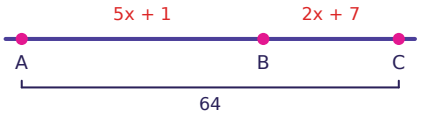
Task card 6 Segment Addition & Midpoints

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



Task card 7 Segment Addition & Midpoints

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



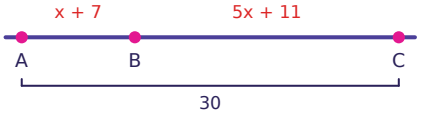
Task card 8 Segment Addition & Midpoints

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



Task card 9 Segment Addition & Midpoints

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



Task card 10 Segment Addition & Midpoints

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



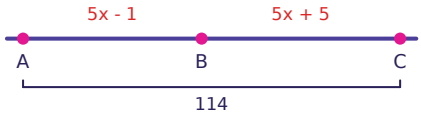
Task card 11 Segment Addition & Midpoints

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



Task card 12 Segment Addition & Midpoints

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



Task card 13 Segment Addition & Midpoints

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



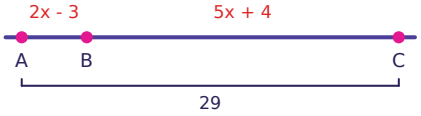
Task card 14 Segment Addition & Midpoints

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



Task card 15 Segment Addition & Midpoints

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



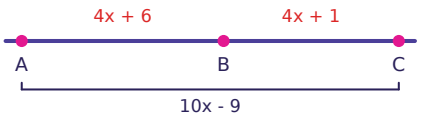
Task card 16 Segment Addition & Midpoints

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



Task card 17 Segment Addition & Midpoints

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



Task card 18 Segment Addition & Midpoints

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



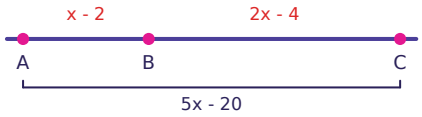
Task card 19 Segment Addition & Midpoints

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



Task card 20 Segment Addition & Midpoints

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



Task card 21 Segment Addition & Midpoints

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



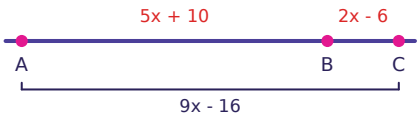
Task card 22 Segment Addition & Midpoints

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



Task card 23 Segment Addition & Midpoints

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



Task card 24 Segment Addition & Midpoints

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



Segment Addition & Midpoints Task Cards

Recording sheet · Grade 10 · Use the diagram and the given information to answer each question.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Segment Addition & Midpoints Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 9	**2.** 3	**3.** 2
4. 5	**5.** 6	**6.** 10
7. 8	**8.** 4	**9.** 2
10. 8	**11.** 9	**12.** 11
13. 8	**14.** 10	**15.** 4
16. 9	**17.** 33	**18.** 72
19. -8	**20.** 5	**21.** 54
22. 4	**23.** 14	**24.** 38