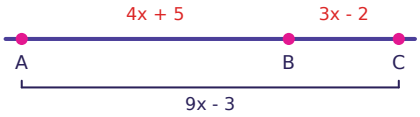
Task card 1 Segment Addition & Midpoints

B is between A and C. AB = 4x + 5, BC = 3x - 2, and AC = 9x - 3. Find AB.



Task card 2 Segment Addition & Midpoints

M is the midpoint of AB. AM = 3x + 8 and MB = 6x - 13. Find AB.



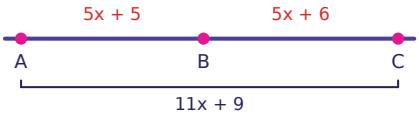
Task card 3 Segment Addition & Midpoints

On a number line, A is at -3 and B is at 19. Find the coordinate of the midpoint M of AB.



Task card 4 Segment Addition & Midpoints

B is between A and C. AB = 5x + 5, BC = 5x + 6, and AC = 11x + 9. Find AC.



Task card 5 Segment Addition & Midpoints

M is the midpoint of AB. AM = 3x - 3 and MB = 5x - 11. Find AB.



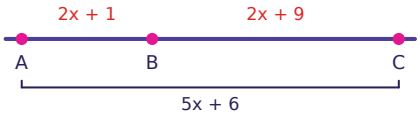
Task card 6 Segment Addition & Midpoints

On a number line, A is at -3 and B is at -15. Point P lies on AB and is $\frac{1}{4}$ of the way from A to B. Find the coordinate of P.



Task card 7 Segment Addition & Midpoints

B is between A and C. AB = 2x + 1, BC = 2x + 9, and AC = 5x + 6. Find AC.



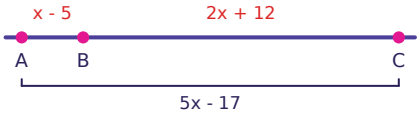
Task card 8 Segment Addition & Midpoints

M is the midpoint of AB. AM = 4x + 1 and MB = x + 13. Find AB.



Task card 9 Segment Addition & Midpoints

B is between A and C. AB = x - 5, BC = 2x + 12, and AC = 5x - 17. Find AC.



Task card 10 Segment Addition & Midpoints

M is the midpoint of AB. AM = 4x - 5 and MB = 5x - 7. Find AB.



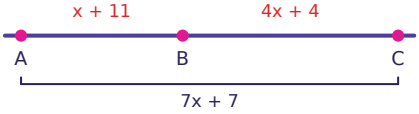
Task card 11 Segment Addition & Midpoints

On a number line, A is at 15 and B is at 35. Point P lies on AB and is $\frac{1}{5}$ of the way from A to B. Find the coordinate of P.



Task card 12 Segment Addition & Midpoints

B is between A and C. AB = x + 11, BC = 4x + 4, and AC = 7x + 7. Find BC.



Task card 13 Segment Addition & Midpoints

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



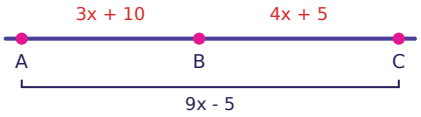
Task card 14 Segment Addition & Midpoints

On a number line, A is at -17 and B is at -25. Point P lies on AB and is $\frac{1}{4}$ of the way from A to B. Find the coordinate of P.



Task card 15 Segment Addition & Midpoints

B is between A and C. AB = 3x + 10, BC = 4x + 5, and AC = 9x - 5. Find AB.



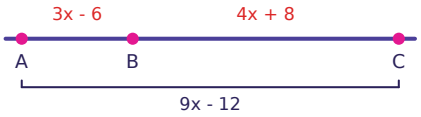
Task card 16 Segment Addition & Midpoints

M is the midpoint of AB. AM = 3x + 9 and MB = 5x - 15. Find AB.



Task card 17 Segment Addition & Midpoints

B is between A and C. AB = 3x - 6, BC = 4x + 8, and AC = 9x - 12. Find AC.



Task card 18 Segment Addition & Midpoints

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



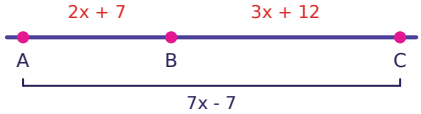
Task card 19 Segment Addition & Midpoints

On a number line, A is at 20 and B is at 14. Point P lies on AB and is $\frac{1}{3}$ of the way from A to B. Find the coordinate of P.



Task card 20 Segment Addition & Midpoints

B is between A and C. AB = 2x + 7, BC = 3x + 12, and AC = 7x - 7. Find AC.



Task card 21 Segment Addition & Midpoints

M is the midpoint of AB. AM = 4x + 11 and MB = 5x + 2. Find AB.



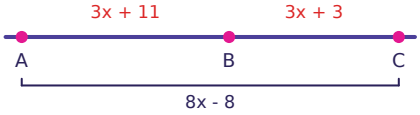
Task card 22 Segment Addition & Midpoints

On a number line, A is at -15 and B is at -5. Point P lies on AB and is $\frac{1}{5}$ of the way from A to B. Find the coordinate of P.



Task card 23 Segment Addition & Midpoints

B is between A and C. AB = 3x + 11, BC = 3x + 3, and AC = 8x - 8. Find BC.



Task card 24 Segment Addition & Midpoints

M is the midpoint of AB. AM = 3x + 2 and MB = 2x + 5. 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 · Hard

The answers online

1. 17	**2.** 58	**3.** 8
4. 31	**5.** 18	**6.** -6
7. 26	**8.** 34	**9.** 43
10. 6	**11.** 19	**12.** 20
13. 26	**14.** -19	**15.** 40
16. 90	**17.** 51	**18.** 12
19. 18	**20.** 84	**21.** 94
22. -13	**23.** 36	**24.** 22