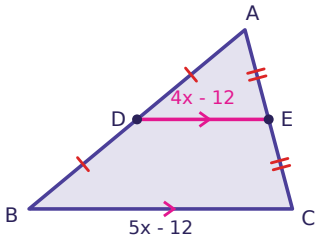
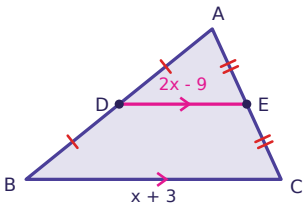
Task card 1 Triangle Midsegment Theorem

DE = 4x - 12 and BC = 5x - 12. Find DE.



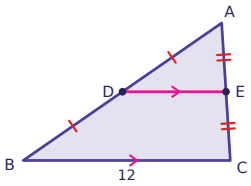
Task card 2 Triangle Midsegment Theorem

DE = 2x - 9 and BC = x + 3. Find BC.



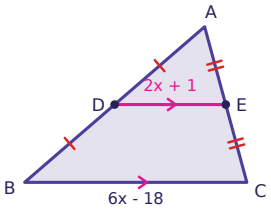
Task card 3 Triangle Midsegment Theorem

AB = 14, AC = 8 and BC = 12. Find the perimeter of △ADE.



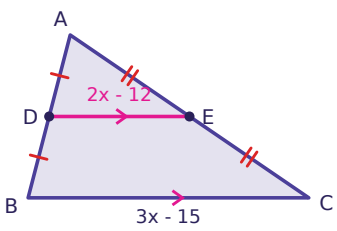
Task card 4 Triangle Midsegment Theorem

DE = 2x + 1 and BC = 6x - 18. Find x.



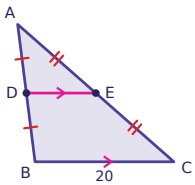
Task card 5 Triangle Midsegment Theorem

DE = 2x - 12 and BC = 3x - 15. Find DE.



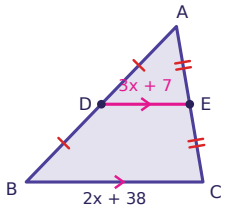
Task card 6 Triangle Midsegment Theorem

AB = 20, AC = 30 and BC = 20. Find the perimeter of △ADE.



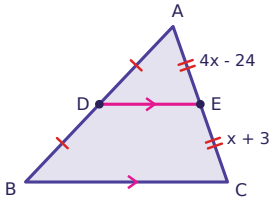
Task card 7 Triangle Midsegment Theorem

DE = 3x + 7 and BC = 2x + 38. Find BC.



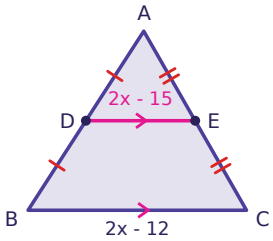
Task card 8 Triangle Midsegment Theorem

AE = 4x - 24 and EC = x + 3. Find x.



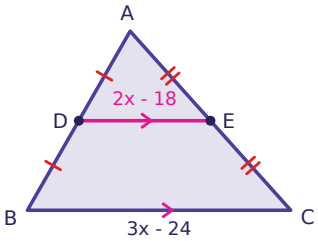
Task card 9 Triangle Midsegment Theorem

DE = 2x - 15 and BC = 2x - 12. Find DE.



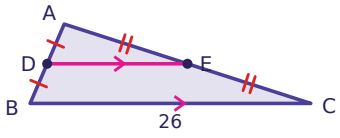
Task card 10 Triangle Midsegment Theorem

DE = 2x - 18 and BC = 3x - 24. Find BC.



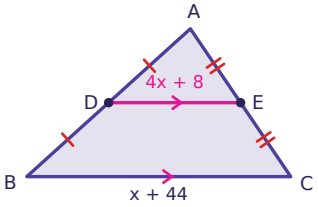
Task card 11 Triangle Midsegment Theorem

AB = 8, AC = 24 and BC = 26. Find the perimeter of △ADE.



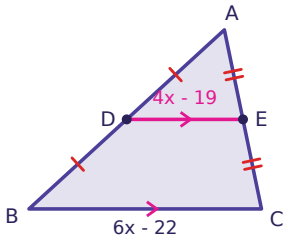
Task card 12 Triangle Midsegment Theorem

DE = 4x + 8 and BC = x + 44. Find x.



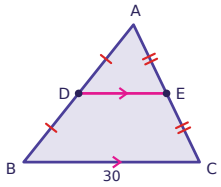
Task card 13 Triangle Midsegment Theorem

DE = 4x - 19 and BC = 6x - 22. Find DE.



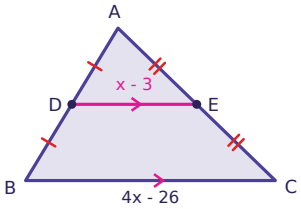
Task card 14 Triangle Midsegment Theorem

AB = 30, AC = 26 and BC = 30. Find the perimeter of △ADE.



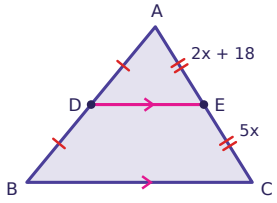
Task card 15 Triangle Midsegment Theorem

DE = x - 3 and BC = 4x - 26. Find BC.



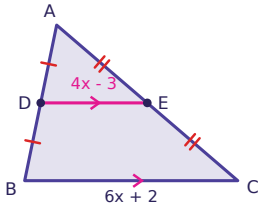
Task card 16 Triangle Midsegment Theorem

AE = 2x + 18 and EC = 5x. Find x.



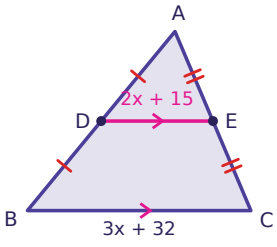
Task card 17 Triangle Midsegment Theorem

DE = 4x - 3 and BC = 6x + 2. Find DE.



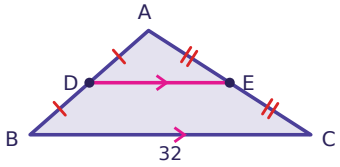
Task card 18 Triangle Midsegment Theorem

DE = 2x + 15 and BC = 3x + 32. Find BC.



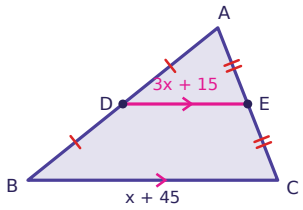
Task card 19 Triangle Midsegment Theorem

AB = 18, AC = 22 and BC = 32. Find the perimeter of △ADE.



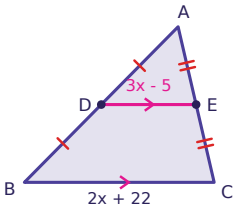
Task card 20 Triangle Midsegment Theorem

DE = 3x + 15 and BC = x + 45. Find x.



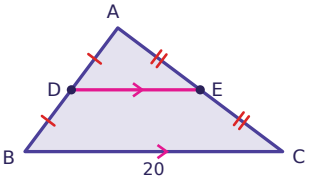
Task card 21 Triangle Midsegment Theorem

DE = 3x - 5 and BC = 2x + 22. Find DE.



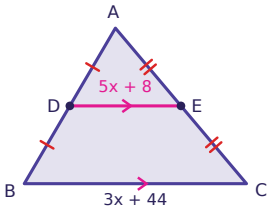
Task card 22 Triangle Midsegment Theorem

AB = 12, AC = 16 and BC = 20. Find the perimeter of △ADE.



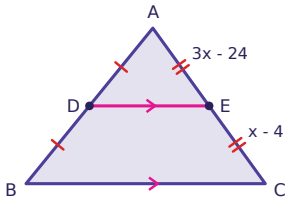
Task card 23 Triangle Midsegment Theorem

DE = 5x + 8 and BC = 3x + 44. Find BC.



Task card 24 Triangle Midsegment Theorem

AE = 3x - 24 and EC = x - 4. Find x.



Triangle Midsegment Theorem Task Cards

Recording sheet · Grade 10 · In each diagram, D is the midpoint of AB and E is the midpoint of AC, so DE is a midsegment of △ABC.

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

Triangle Midsegment Theorem Task Cards: Answer Key

Grade 10 · Hard

The answers online

1. 4	**2.** 10	**3.** 17
4. 10	**5.** 6	**6.** 35
7. 50	**8.** 9	**9.** 3
10. 12	**11.** 29	**12.** 4
13. 13	**14.** 43	**15.** 14
16. 6	**17.** 13	**18.** 38
19. 36	**20.** 3	**21.** 19
22. 24	**23.** 56	**24.** 10