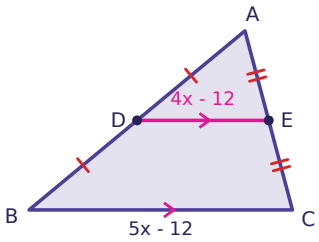
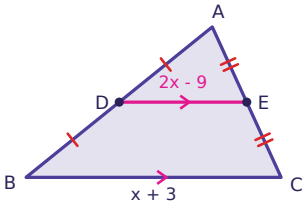
**Task card 1** Triangle Midsegment Theorem

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



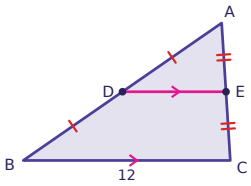

**Task card 2** Triangle Midsegment Theorem

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



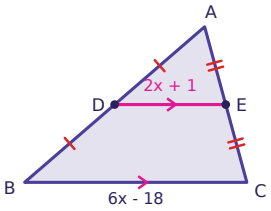

**Task card 3** Triangle Midsegment Theorem

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



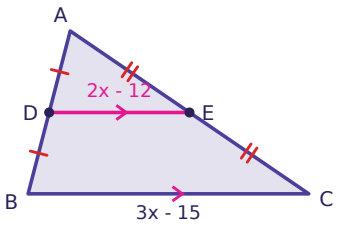

**Task card 4** Triangle Midsegment Theorem

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



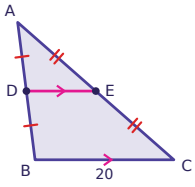

**Task card 5** Triangle Midsegment Theorem

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



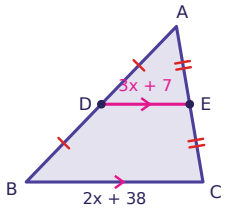

**Task card 6** Triangle Midsegment Theorem

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



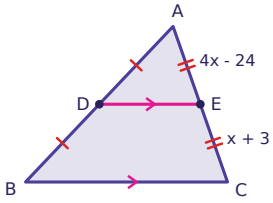
**Task card 7** Triangle Midsegment Theorem

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



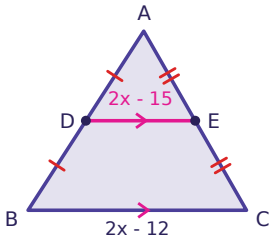

**Task card 8** Triangle Midsegment Theorem

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



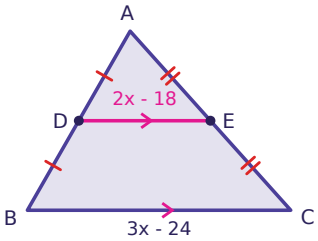

**Task card 9** Triangle Midsegment Theorem

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



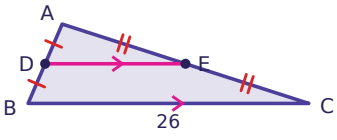

**Task card 10** Triangle Midsegment Theorem

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



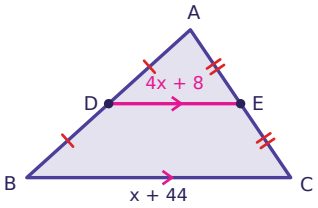

**Task card 11** Triangle Midsegment Theorem

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



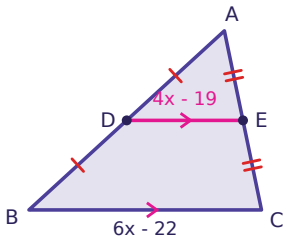

**Task card 12** Triangle Midsegment Theorem

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



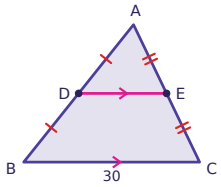
**Task card 13** Triangle Midsegment Theorem

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



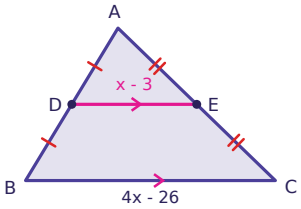

**Task card 14** Triangle Midsegment Theorem

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



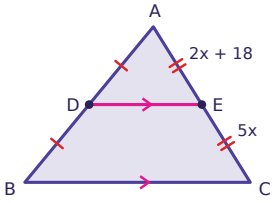

**Task card 15** Triangle Midsegment Theorem

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



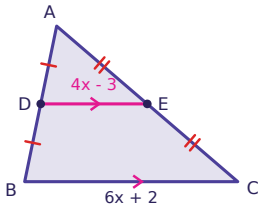

**Task card 16** Triangle Midsegment Theorem

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



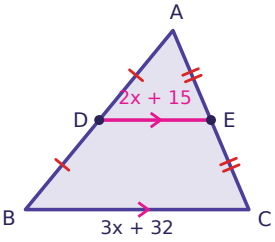

**Task card 17** Triangle Midsegment Theorem

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



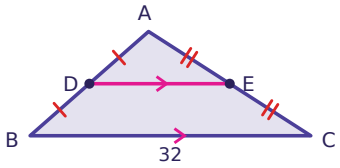

**Task card 18** Triangle Midsegment Theorem

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



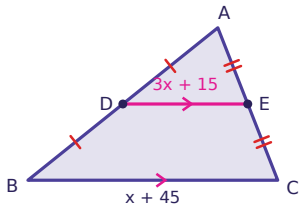
**Task card 19** Triangle Midsegment Theorem

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



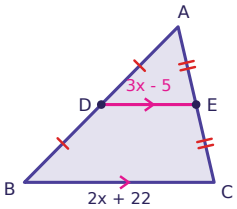

**Task card 20** Triangle Midsegment Theorem

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



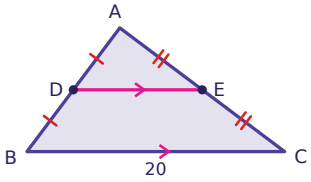

**Task card 21** Triangle Midsegment Theorem

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



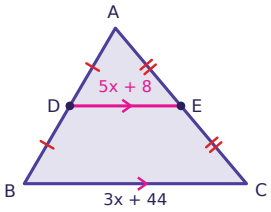

**Task card 22** Triangle Midsegment Theorem

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



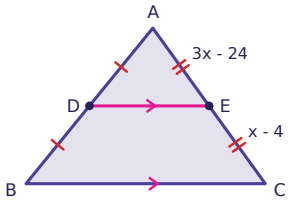

**Task card 23** Triangle Midsegment Theorem

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 |