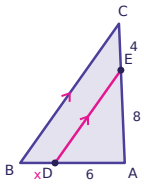
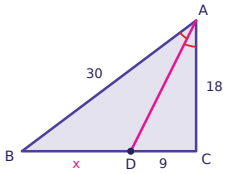
Task card 1 Triangle Proportionality & Angle B...

DE ∥ BC. Find x.



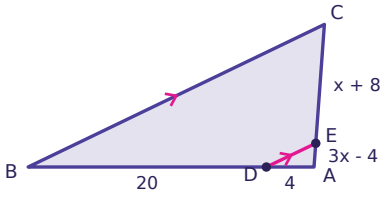
Task card 2 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



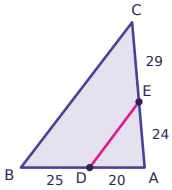
Task card 3 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 3x - 4 and EC = x + 8. Find x.



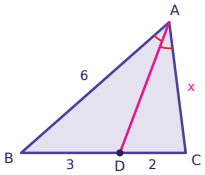
Task card 4 Triangle Proportionality & Angle B...

Use the lengths in the diagram. Is DE parallel to BC? Answer yes or no.



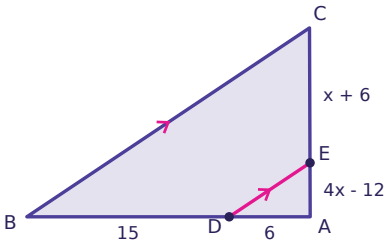
Task card 5 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



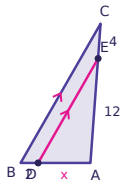
Task card 6 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 4x - 12 and EC = x + 6. Find x.



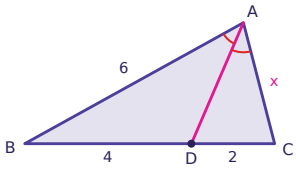
Task card 7 Triangle Proportionality & Angle B...

DE ∥ BC. Find x.



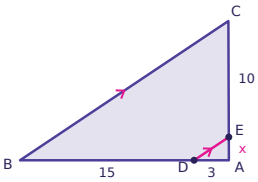
Task card 8 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



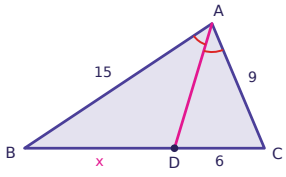
Task card 9 Triangle Proportionality & Angle B...

DE ∥ BC. Find x.



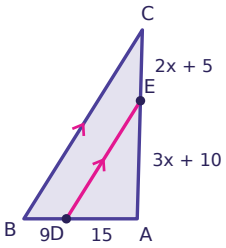
Task card 10 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



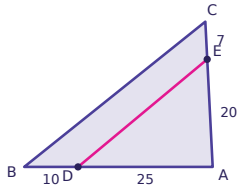
Task card 11 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 3x + 10 and EC = 2x + 5. Find x.



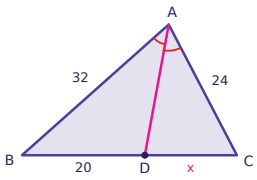
Task card 12 Triangle Proportionality & Angle B...

Use the lengths in the diagram. Is DE parallel to BC? Answer yes or no.



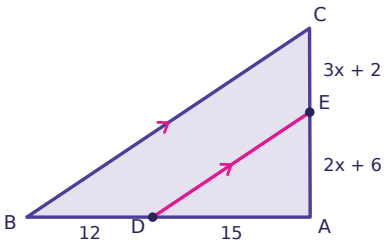
Task card 13 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



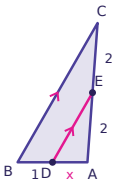
Task card 14 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 2x + 6 and EC = 3x + 2. Find x.



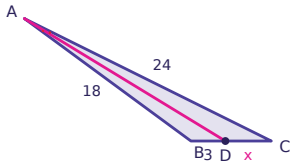
Task card 15 Triangle Proportionality & Angle B...

DE ∥ BC. Find x.



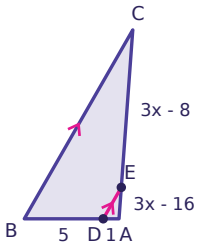
Task card 16 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



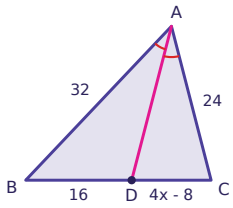
Task card 17 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 3x - 16 and EC = 3x - 8. Find x.



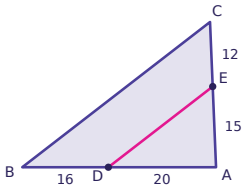
Task card 18 Triangle Proportionality & Angle B...

AD bisects ∠BAC. DC = 4x - 8. Find x.



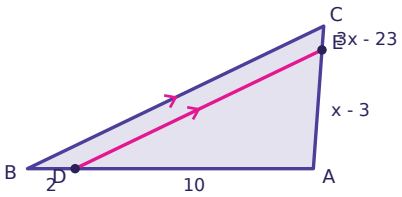
Task card 19 Triangle Proportionality & Angle B...

Use the lengths in the diagram. Is DE parallel to BC? Answer yes or no.



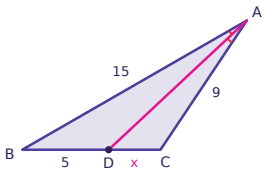
Task card 20 Triangle Proportionality & Angle B...

DE ∥ BC. AE = x - 3 and EC = 3x - 23. Find x.



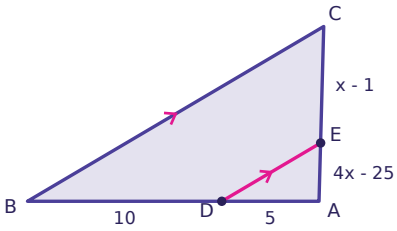
Task card 21 Triangle Proportionality & Angle B...

AD bisects ∠BAC. Find x.



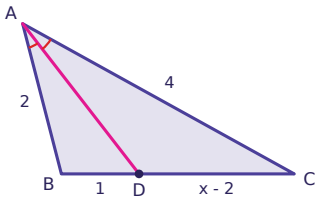
Task card 22 Triangle Proportionality & Angle B...

DE ∥ BC. AE = 4x - 25 and EC = x - 1. Find x.



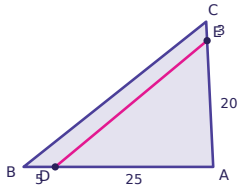
Task card 23 Triangle Proportionality & Angle B...

AD bisects ∠BAC. DC = x - 2. Find x.



Task card 24 Triangle Proportionality & Angle B...

Use the lengths in the diagram. Is DE parallel to BC? Answer yes or no.



Triangle Proportionality & Angle Bisector Theorems Task Cards

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

Scan to check your answers

Name: _____ Date: _____

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 Proportionality & Angle Bisector Theorems Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 3	**2.** 15	**3.** 2
4. no	**5.** 4	**6.** 4
7. 6	**8.** 3	**9.** 2
10. 10	**11.** 5	**12.** no
13. 15	**14.** 2	**15.** 1
16. 4	**17.** 6	**18.** 5
19. yes	**20.** 8	**21.** 3
22. 7	**23.** 4	**24.** no