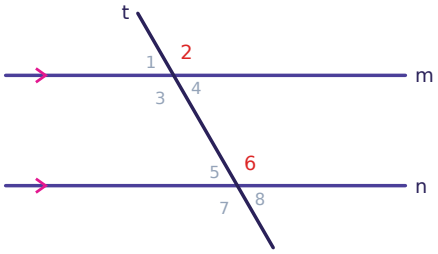
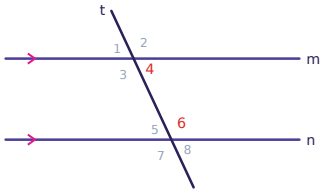
Task card 1 Parallel Lines Cut by a Transversa...

$m\angle 2 = (7x + 36)°$ and $m\angle 6 = 120°$. Find x.



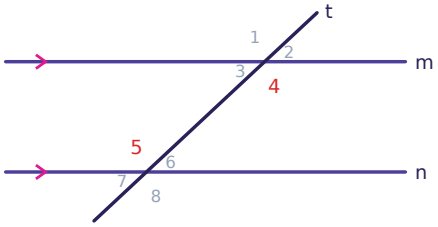
Task card 2 Parallel Lines Cut by a Transversa...

$m\angle 4 = 65°$. Find $m\angle 6$.



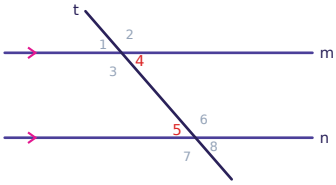
Task card 3 Parallel Lines Cut by a Transversa...

$m\angle 4 = (10x + 107)°$ and $m\angle 5 = (x + 134)°$. Find x.



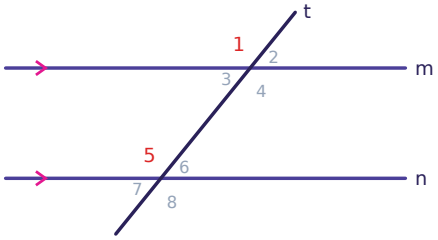
Task card 4 Parallel Lines Cut by a Transversa...

Name the relationship between ∠4 and ∠5: corresponding, alternate interior, alternate exterior, or same-side interior.



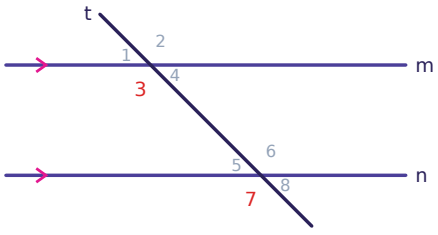
Task card 5 Parallel Lines Cut by a Transversa...

$m\angle 1 = (8x + 73)°$ and $m\angle 5 = 129°$. Find x.



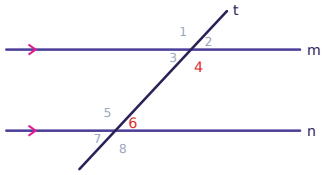
Task card 6 Parallel Lines Cut by a Transversa...

$m\angle 7 = (8x + 55)°$ and $m\angle 3 = (15x - 15)°$. Find x.



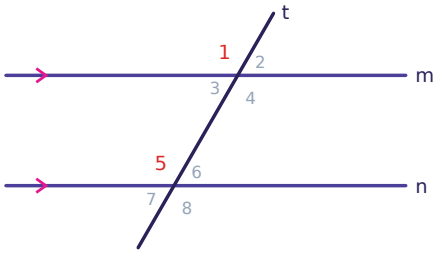
Task card 7 Parallel Lines Cut by a Transversa...

$m\angle 4 = 133°$. Find $m\angle 6$.



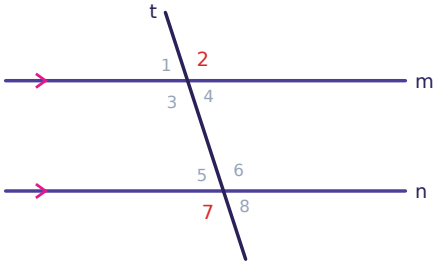
Task card 8 Parallel Lines Cut by a Transversa...

$m\angle 1 = (7x + 43)°$ and $m\angle 5 = (14x - 34)°$. Find x.



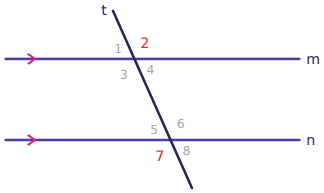
Task card 9 Parallel Lines Cut by a Transversa...

$m\angle 7 = (7x + 38)°$ and $m\angle 2 = 108°$. Find x.



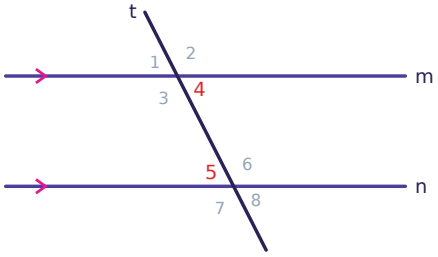
Task card 10 Parallel Lines Cut by a Transversa...

$m\angle 7 = 114°$. Find $m\angle 2$.



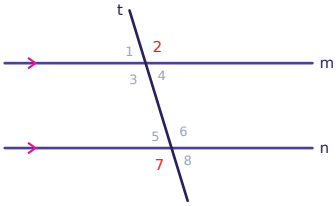
Task card 11 Parallel Lines Cut by a Transversa...

$m\angle 5 = (3x + 33)°$ and $m\angle 4 = 63°$. Find x.



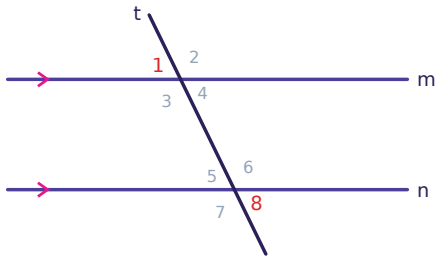
Task card 12 Parallel Lines Cut by a Transversa...

Name the relationship between $\angle 2$ and $\angle 7$: corresponding, alternate interior, alternate exterior, or same-side interior.



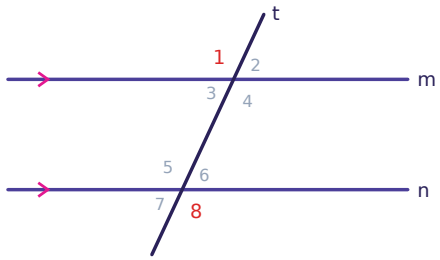
Task card 13 Parallel Lines Cut by a Transversa...

$m\angle 1 = (6x - 2)°$ and $m\angle 8 = (5x + 9)°$. Find x.



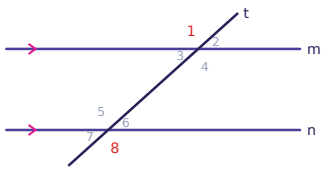
Task card 14 Parallel Lines Cut by a Transversa...

$m\angle 1 = (11x + 27)°$ and $m\angle 8 = 115°$. Find x.



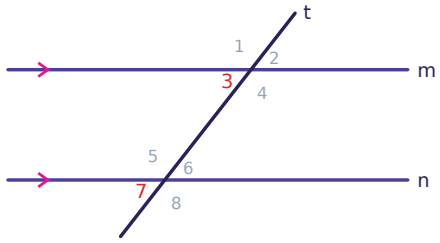
Task card 15 Parallel Lines Cut by a Transversa...

$m\angle 1 = 138°$. Find $m\angle 8$.



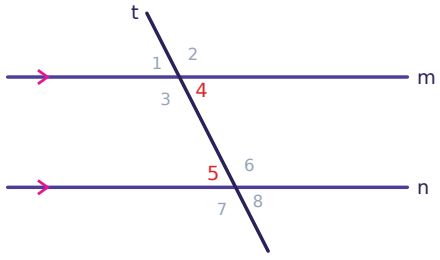
Task card 16 Parallel Lines Cut by a Transversa...

$m\angle 7 = (7x + 24)°$ and $m\angle 3 = 52°$. Find x.



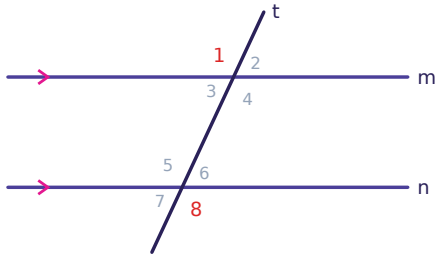
Task card 17 Parallel Lines Cut by a Transversa...

$m\angle 4 = (3x + 21)°$ and $m\angle 5 = 63°$. Find x.



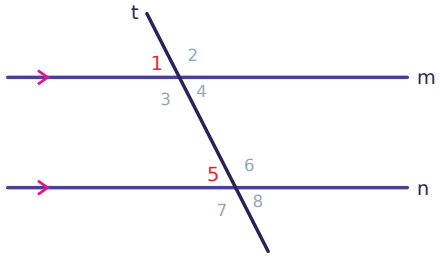
Task card 18 Parallel Lines Cut by a Transversa...

$m\angle 8 = (7x + 66)°$ and $m\angle 1 = (9x + 52)°$. Find $m\angle 1$.



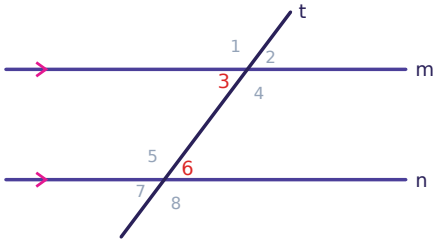
Task card 19 Parallel Lines Cut by a Transversa...

$m\angle 1 = (5x + 18)°$ and $m\angle 5 = 63°$. Find x.



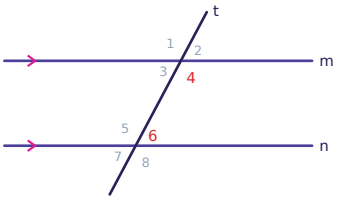
Task card 20 Parallel Lines Cut by a Transversa...

$m\angle 3 = (2x + 33)°$ and $m\angle 6 = (7x - 17)°$. Find $m\angle 6$.



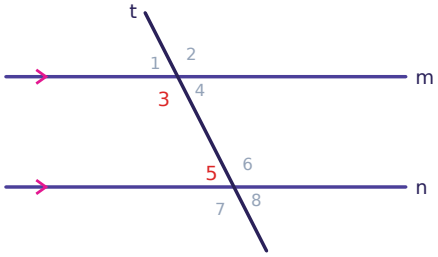
Task card 21 Parallel Lines Cut by a Transversa...

Name the relationship between ∠4 and ∠6: corresponding, alternate interior, alternate exterior, or same-side interior.



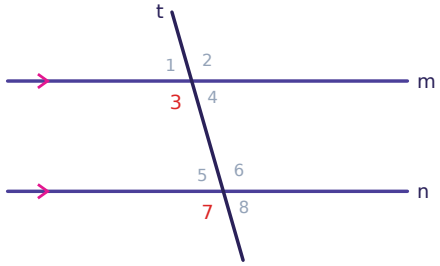
Task card 22 Parallel Lines Cut by a Transversa...

$m\angle 3 = (13x + 78)°$ and $m\angle 5 = 63°$. Find x.



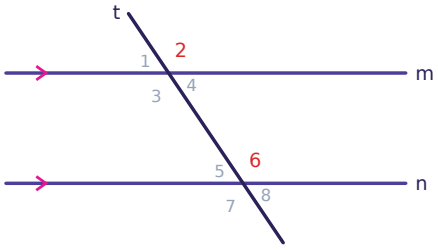
Task card 23 Parallel Lines Cut by a Transversa...

$m\angle 7 = (7x + 22)°$ and $m\angle 3 = (6x + 34)°$. Find $m\angle 3$.



Task card 24 Parallel Lines Cut by a Transversa...

$m\angle 2 = (12x + 4)°$ and $m\angle 6 = 124°$. Find x.



Parallel Lines Cut by a Transversal Task Cards

Recording sheet · Grade 10 · In each diagram, line m is parallel to line n and t is a transversal.

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

Parallel Lines Cut by a Transversal Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 12	**2.** 115°	**3.** 3
4. alternate interior	**5.** 7	**6.** 10
7. 47°	**8.** 11	**9.** 10
10. 114°	**11.** 10	**12.** alternate exterior
13. 11	**14.** 8	**15.** 138°
16. 4	**17.** 14	**18.** 115°
19. 9	**20.** 53°	**21.** same-side interior
22. 3	**23.** 106°	**24.** 10