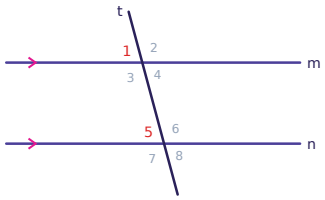
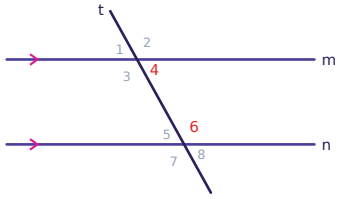
Task card 1 Parallel Lines Cut by a Transversa...

m∠1 = 75°. Find m∠5.



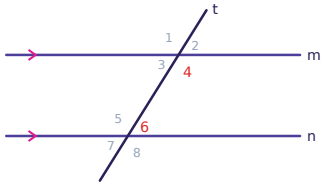
Task card 2 Parallel Lines Cut by a Transversa...

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



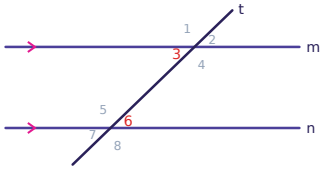
Task card 3 Parallel Lines Cut by a Transversa...

m∠4 = 122°. Find m∠6.



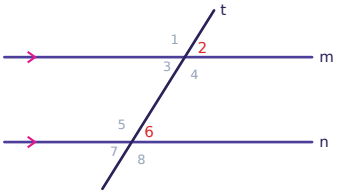
Task card 4 Parallel Lines Cut by a Transversa...

m∠6 = 44°. Find m∠3.



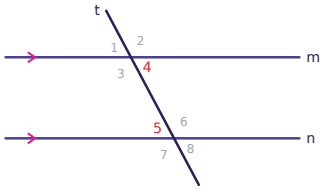
Task card 5 Parallel Lines Cut by a Transversa...

Name the relationship between ∠2 and ∠6: corresponding, alternate interior, alternate exterior, or same-side interior.



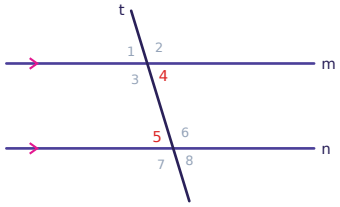
Task card 6 Parallel Lines Cut by a Transversa...

m∠4 = 62°. Find m∠5.



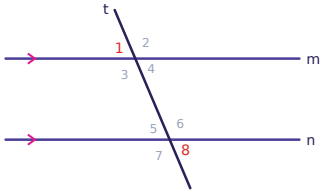
Task card 7 Parallel Lines Cut by a Transversa...

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



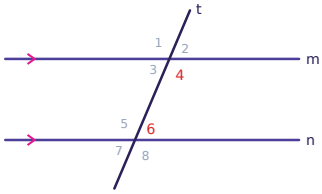
Task card 8 Parallel Lines Cut by a Transversa...

m∠1 = 67°. Find m∠8.



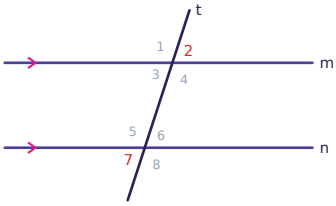
Task card 9 Parallel Lines Cut by a Transversa...

m∠6 = 67°. Find m∠4.



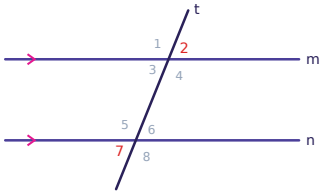
Task card 10 Parallel Lines Cut by a Transversa...

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



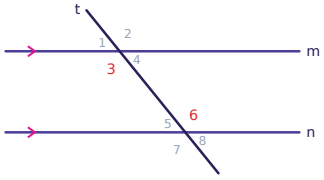
Task card 11 Parallel Lines Cut by a Transversa...

m∠2 = 68°. Find m∠7.



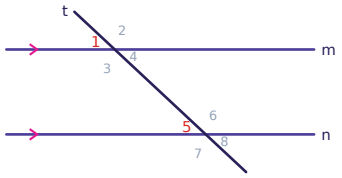
Task card 12 Parallel Lines Cut by a Transversa...

m∠3 = 129°. Find m∠6.



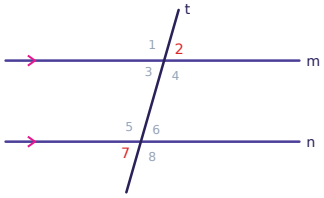
Task card 13 Parallel Lines Cut by a Transversa...

Name the relationship between ∠5 and ∠1: corresponding, alternate interior, alternate exterior, or same-side interior.



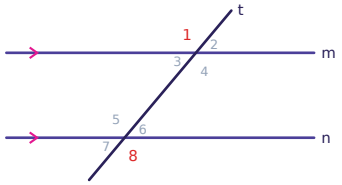
Task card 14 Parallel Lines Cut by a Transversa...

$m\angle 7 = 74°$. Find $m\angle 2$.



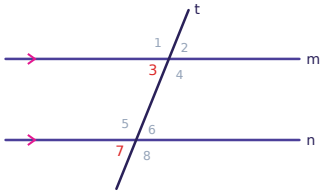
Task card 15 Parallel Lines Cut by a Transversa...

Name the relationship between ∠8 and ∠1: corresponding, alternate interior, alternate exterior, or same-side interior.



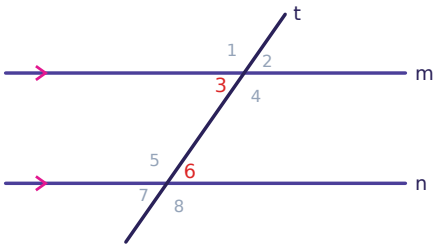
Task card 16 Parallel Lines Cut by a Transversa...

$m\angle 3 = 68°$. Find $m\angle 7$.



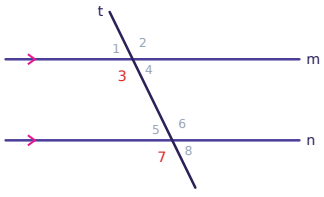
Task card 17 Parallel Lines Cut by a Transversa...

$m\angle 6 = (4x + 31)°$ and $m\angle 3 = 55°$. Find x.



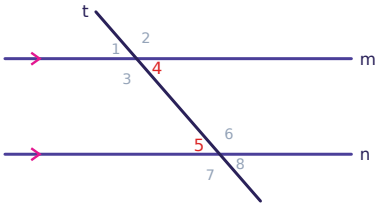
Task card 18 Parallel Lines Cut by a Transversa...

$m\angle 3 = 116°$. Find $m\angle 7$.



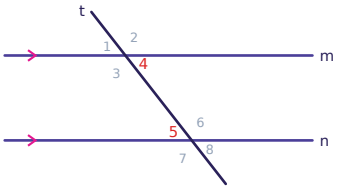
Task card 19 Parallel Lines Cut by a Transversa...

$m\angle 5 = 7x°$ and $m\angle 4 = 49°$. Find x.



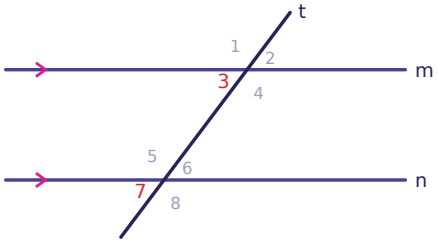
Task card 20 Parallel Lines Cut by a Transversa...

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



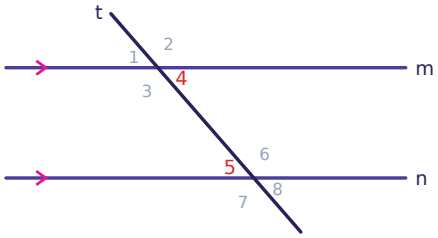
Task card 21 Parallel Lines Cut by a Transversa...

$m\angle 3 = (7x + 25)°$ and $m\angle 7 = 53°$. Find x.



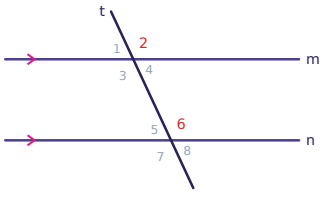
Task card 22 Parallel Lines Cut by a Transversa...

$m\angle 4 = (6x - 5)°$ and $m\angle 5 = (x + 40)°$. Find x.



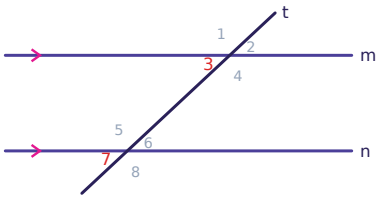
Task card 23 Parallel Lines Cut by a Transversa...

$m\angle 6 = 115°$. Find $m\angle 2$.



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

$m\angle 3 = (5x + 8)°$ and $m\angle 7 = 43°$. 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 · Easy

The answers online

1. 75°	**2.** same-side interior	**3.** 58°
4. 44°	**5.** corresponding	**6.** 62°
7. alternate interior	**8.** 67°	**9.** 113°
10. alternate exterior	**11.** 68°	**12.** 129°
13. corresponding	**14.** 74°	**15.** alternate exterior
16. 68°	**17.** 6	**18.** 116°
19. 7	**20.** alternate interior	**21.** 4
22. 9	**23.** 115°	**24.** 7