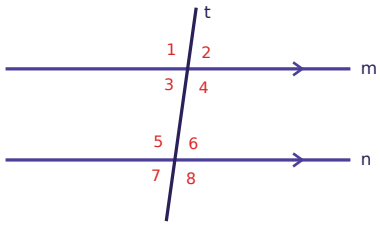
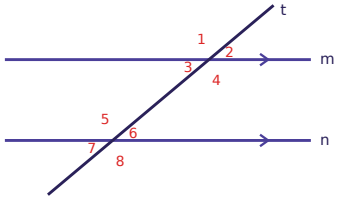
Task card 1 Parallel Lines & Transversals

$\angle 2 = 82°$. Find the measure of $\angle 1$.



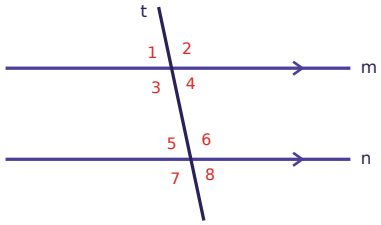
Task card 2 Parallel Lines & Transversals

What kind of angle pair are $\angle 3$ and $\angle 6$: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



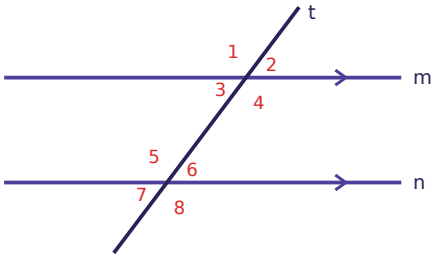
Task card 3 Parallel Lines & Transversals

$\angle 2 = 102°$. Find the measure of $\angle 7$.



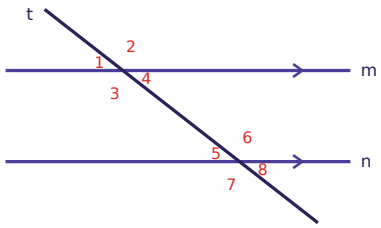
Task card 4 Parallel Lines & Transversals

$\angle 2 = (3x + 38)°$ and $\angle 7 = (6x + 23)°$. Find x.



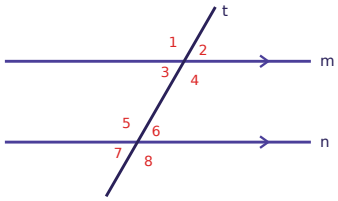
Task card 5 Parallel Lines & Transversals

$\angle 1 = 38°$. Find the measure of $\angle 6$.



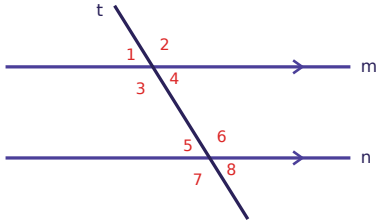
Task card 6 Parallel Lines & Transversals

What kind of angle pair are $\angle 1$ and $\angle 8$: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



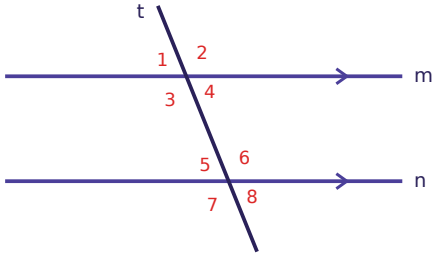
Task card 7 Parallel Lines & Transversals

∠6 = 122°. Find the measure of ∠7.



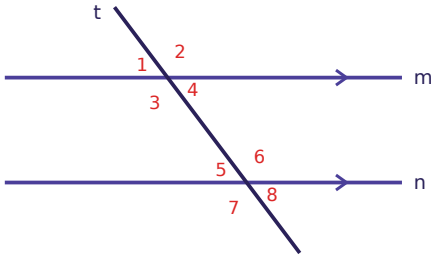
Task card 8 Parallel Lines & Transversals

∠1 = (2x + 50)° and ∠5 = (5x + 23)°. Find x.



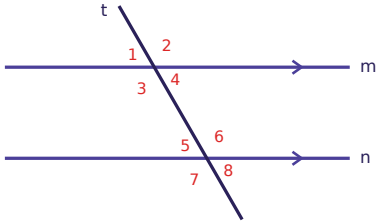
Task card 9 Parallel Lines & Transversals

∠6 = (5x + 57)° and ∠7 = (2x + 99)°. Find x.



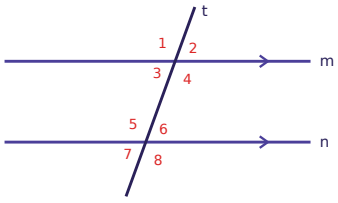
Task card 10 Parallel Lines & Transversals

∠1 = 60°. Find the measure of ∠7.



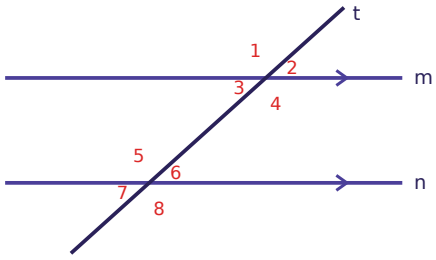
Task card 11 Parallel Lines & Transversals

What kind of angle pair are ∠4 and ∠8: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



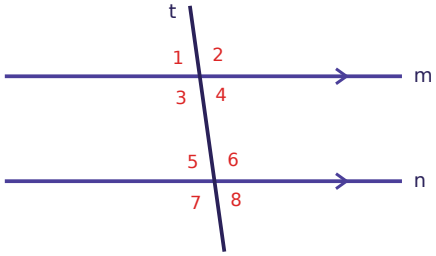
Task card 12 Parallel Lines & Transversals

∠2 = (3x + 24)° and ∠3 = (4x + 18)°. Find x.



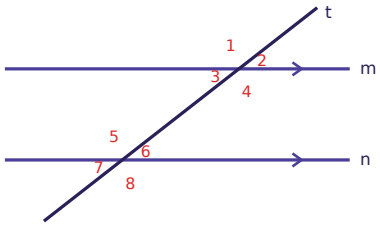
Task card 13 Parallel Lines & Transversals

$\angle 2 = (4x + 38)°$ and $\angle 3 = (2x + 68)°$. Find x.



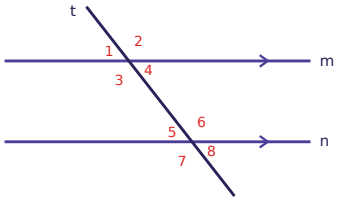
Task card 14 Parallel Lines & Transversals

$\angle 8 = 142°$. Find the measure of $\angle 5$.



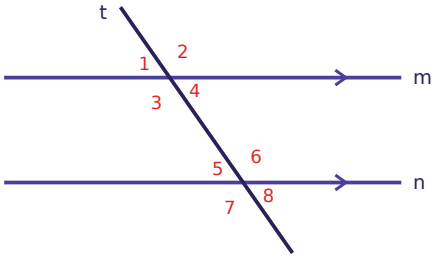
Task card 15 Parallel Lines & Transversals

What kind of angle pair are $\angle 7$ and $\angle 6$: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



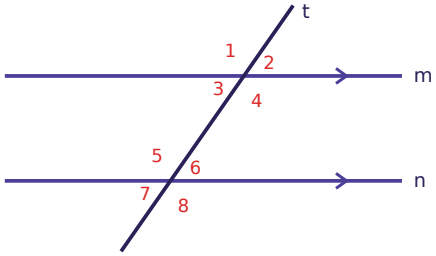
Task card 16 Parallel Lines & Transversals

$\angle 4 = (5x - 15)°$ and $\angle 5 = (6x - 29)°$. Find x.



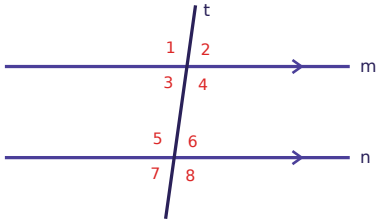
Task card 17 Parallel Lines & Transversals

$\angle 3 = (2x + 37)°$ and $\angle 5 = (5x + 80)°$. Find x.



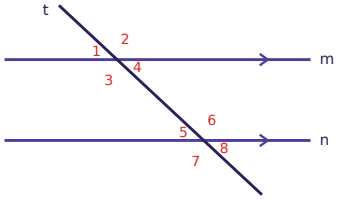
Task card 18 Parallel Lines & Transversals

$\angle 5 = 98°$. Find the measure of $\angle 1$.



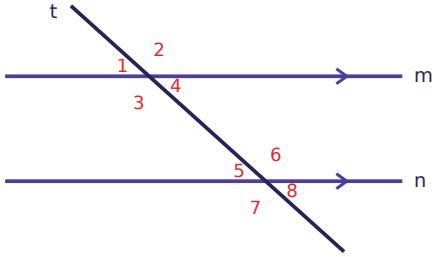
Task card 19 Parallel Lines & Transversals

What kind of angle pair are ∠6 and ∠7: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



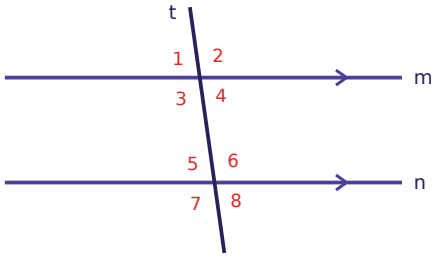
Task card 20 Parallel Lines & Transversals

∠4 = (4x + 6)° and ∠5 = (6x - 12)°. Find x.



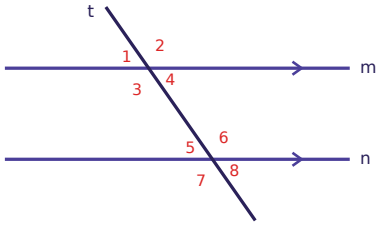
Task card 21 Parallel Lines & Transversals

∠4 = (4x + 50)° and ∠5 = (3x + 58)°. Find x.



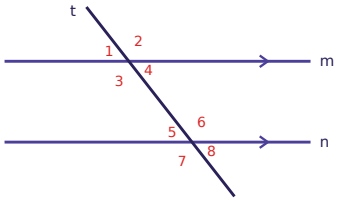
Task card 22 Parallel Lines & Transversals

∠4 = 55°. Find the measure of ∠1.



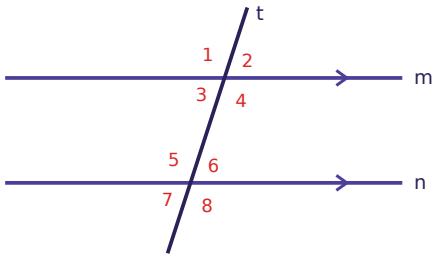
Task card 23 Parallel Lines & Transversals

What kind of angle pair are ∠1 and ∠4: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



Task card 24 Parallel Lines & Transversals

∠4 = (3x + 72)° and ∠8 = (4x + 60)°. Find x.



Parallel Lines & Transversals Task Cards

Recording sheet · Grade 8 · Lines m and n are parallel and t is a transversal. Angles are in degrees; write numbers without the ° sign.

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

Parallel Lines & Transversals Task Cards: Answer Key

Grade 8 · Medium

The answers online

1. 98	**2.** alternate interior	**3.** 102
4. x = 5	**5.** 142	**6.** alternate exterior
7. 122	**8.** x = 9	**9.** x = 14
10. 120	**11.** corresponding	**12.** x = 6
13. x = 15	**14.** 142	**15.** vertical
16. x = 14	**17.** x = 9	**18.** 98
19. vertical	**20.** x = 9	**21.** x = 8
22. 55	**23.** vertical	**24.** x = 12