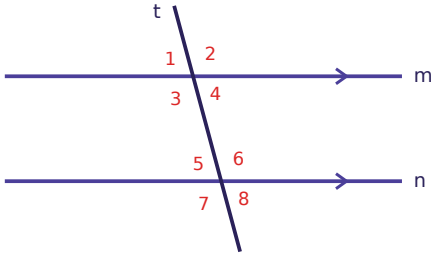
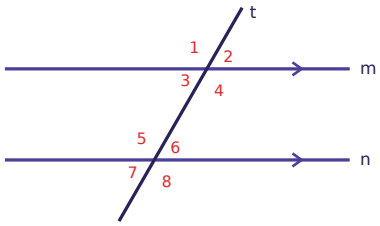
Task card 1 Parallel Lines & Transversals

$\angle 2 = (6x + 15)°$ and $\angle 6 = (3x + 60)°$. Find x.



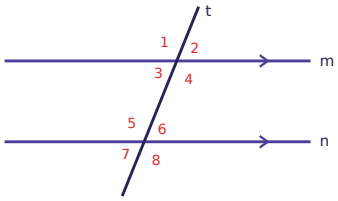
Task card 2 Parallel Lines & Transversals

$\angle 8 = 120°$. Find the measure of $\angle 4$.



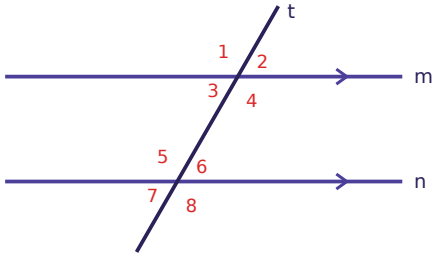
Task card 3 Parallel Lines & Transversals

What kind of angle pair are $\angle 3$ and $\angle 7$: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



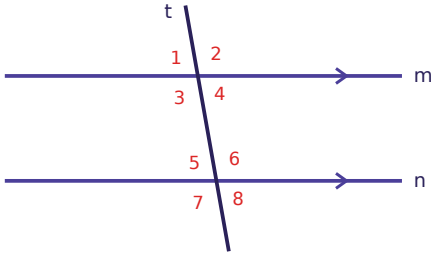
Task card 4 Parallel Lines & Transversals

$\angle 3 = (4x + 12)°$ and $\angle 6 = (5x)°$. Find x.



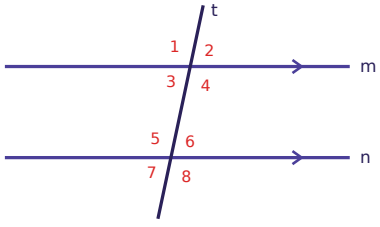
Task card 5 Parallel Lines & Transversals

$\angle 1 = (4x + 24)°$ and $\angle 8 = (2x + 52)°$. Find x.



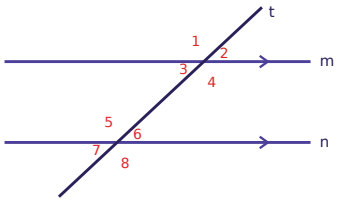
Task card 6 Parallel Lines & Transversals

$\angle 1 = 102°$. Find the measure of $\angle 8$.



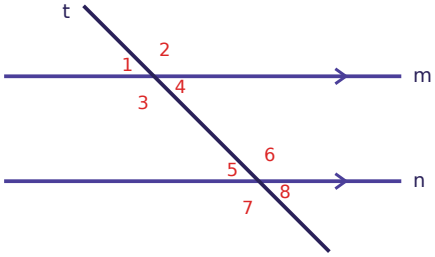
Task card 7 Parallel Lines & Transversals

What kind of angle pair are ∠5 and ∠3: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



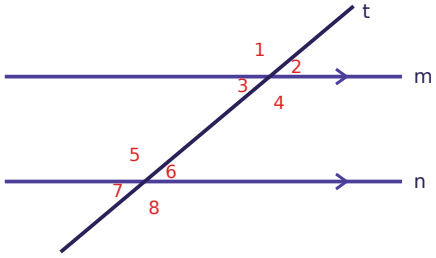
Task card 8 Parallel Lines & Transversals

∠6 = (4x + 99)° and ∠7 = (2x + 117)°. Find x.



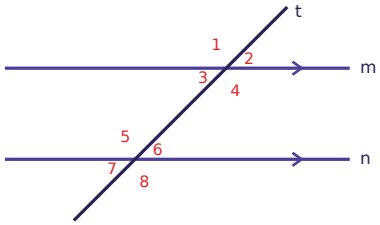
Task card 9 Parallel Lines & Transversals

∠2 = (5x + 5)° and ∠6 = (2x + 26)°. Find x.



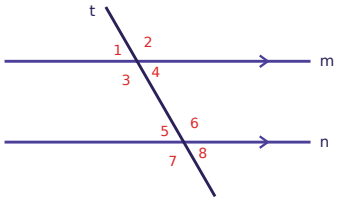
Task card 10 Parallel Lines & Transversals

∠5 = 135°. Find the measure of ∠6.



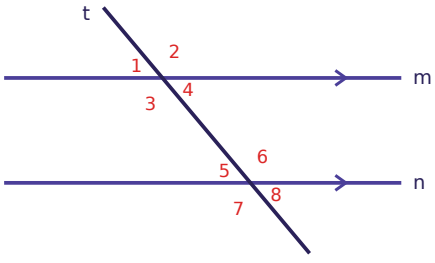
Task card 11 Parallel Lines & Transversals

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



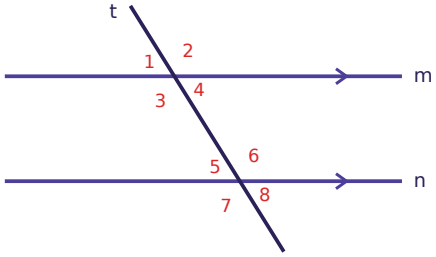
Task card 12 Parallel Lines & Transversals

∠1 = (4x + 2)° and ∠8 = (6x - 22)°. Find x.



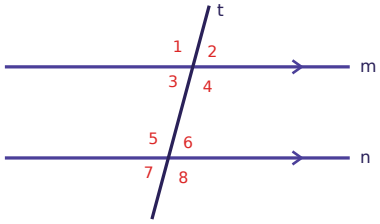
Task card 13 Parallel Lines & Transversals

$\angle 1 = (4x + 26)°$ and $\angle 5 = (2x + 42)°$. Find x.



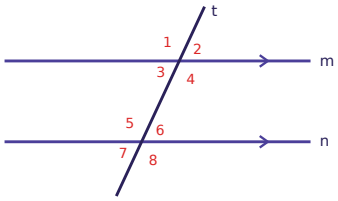
Task card 14 Parallel Lines & Transversals

$\angle 2 = 75°$. Find the measure of $\angle 3$.



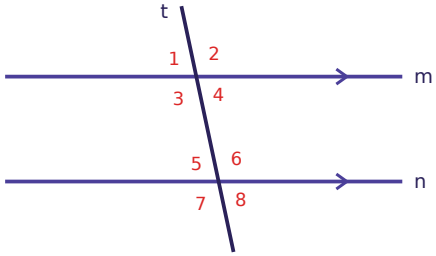
Task card 15 Parallel Lines & Transversals

What kind of angle pair are $\angle 8$ and $\angle 5$: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



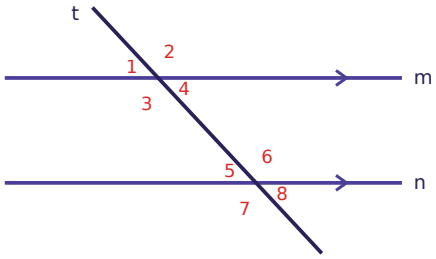
Task card 16 Parallel Lines & Transversals

$\angle 2 = (3x + 57)°$ and $\angle 3 = (2x + 72)°$. Find x.



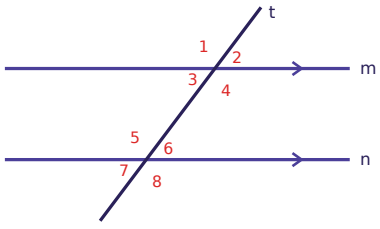
Task card 17 Parallel Lines & Transversals

$\angle 2 = (5x + 98)°$ and $\angle 3 = (4x + 105)°$. Find x.



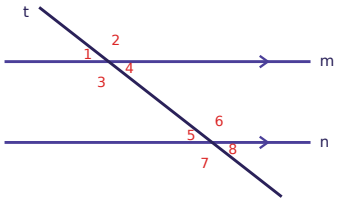
Task card 18 Parallel Lines & Transversals

$\angle 7 = 53°$. Find the measure of $\angle 1$.



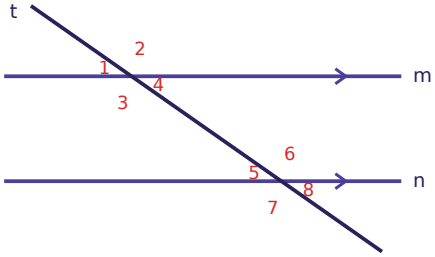
Task card 19 Parallel Lines & Transversals

What kind of angle pair are ∠3 and ∠2: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



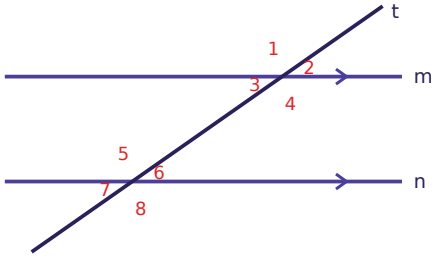
Task card 20 Parallel Lines & Transversals

∠4 = (4x - 9)° and ∠6 = (2x + 123)°. Find x.



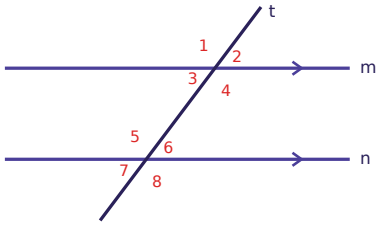
Task card 21 Parallel Lines & Transversals

∠1 = (4x + 105)° and ∠8 = (6x + 85)°. Find x.



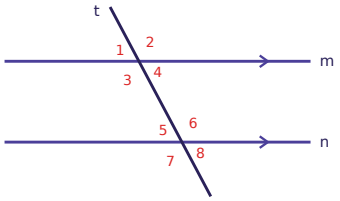
Task card 22 Parallel Lines & Transversals

∠6 = 53°. Find the measure of ∠1.



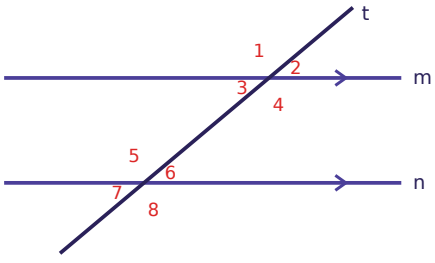
Task card 23 Parallel Lines & Transversals

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

∠3 = (3x - 2)° and ∠7 = (2x + 12)°. 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 · Hard

The answers online

1. x = 15	**2.** 120	**3.** corresponding
4. x = 12	**5.** x = 14	**6.** 102
7. same-side interior	**8.** x = 9	**9.** x = 7
10. 45	**11.** alternate interior	**12.** x = 12
13. x = 8	**14.** 75	**15.** vertical
16. x = 15	**17.** x = 7	**18.** 127
19. vertical	**20.** x = 11	**21.** x = 10
22. 127	**23.** vertical	**24.** x = 14