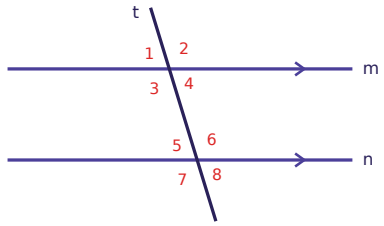
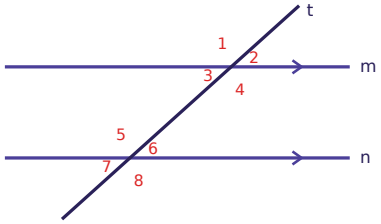
Task card 1 All Angle Relationships: Mixed Rev...

What kind of angle pair are ∠5 and ∠4: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



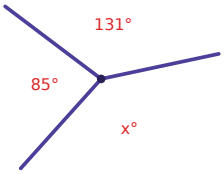
Task card 2 All Angle Relationships: Mixed Rev...

∠8 = 138°. Find the measure of ∠6.



Task card 3 All Angle Relationships: Mixed Rev...

The angles meet at a point. Find the value of x.

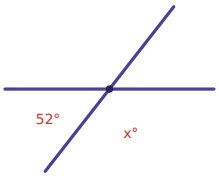


Task card 4 All Angle Relationships: Mixed Rev...

Two angles measure 24° and 70°. Are they complementary, supplementary, or neither?

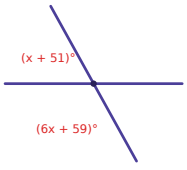
Task card 5 All Angle Relationships: Mixed Rev...

Two lines cross. Find the value of x.



Task card 6 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.

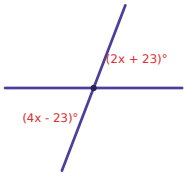


Task card 7 All Angle Relationships: Mixed Rev...

What is the name for two angles opposite each other where two lines cross? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

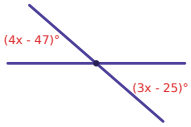
Task card 8 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



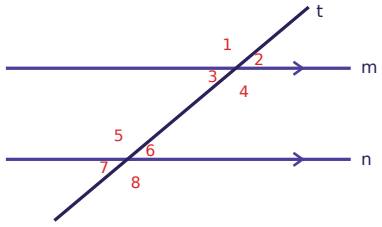
Task card 9 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



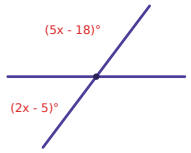
Task card 10 All Angle Relationships: Mixed Rev...

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



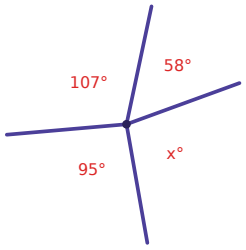
Task card 11 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



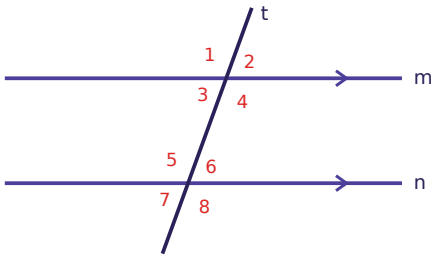
Task card 12 All Angle Relationships: Mixed Rev...

The angles meet at a point. Find the value of x.



Task card 13 All Angle Relationships: Mixed Rev...

$\angle 2 = (4x - 42)°$ and $\angle 7 = (x + 42)°$. Find x.



Task card 14 All Angle Relationships: Mixed Rev...

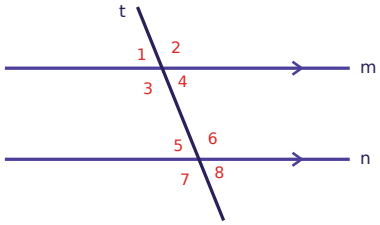
What is the name for two angles whose measures add up to 90°? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

Task card 15 All Angle Relationships: Mixed Rev...

$\angle A = (2x + 13)°$ and $\angle B = (x + 20)°$ are complementary. Find x.

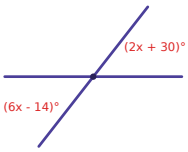
Task card 16 All Angle Relationships: Mixed Rev...

$\angle 6 = 112°$. Find the measure of $\angle 2$.



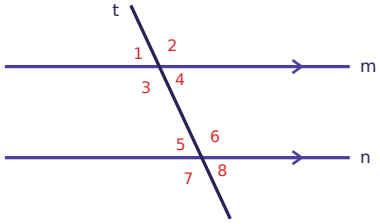
Task card 17 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



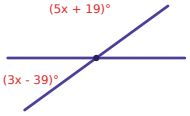
Task card 18 All Angle Relationships: Mixed Rev...

What kind of angle pair are $\angle 6$ and $\angle 5$: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



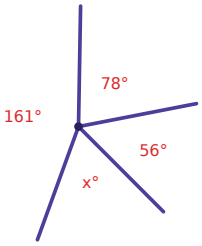
Task card 19 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



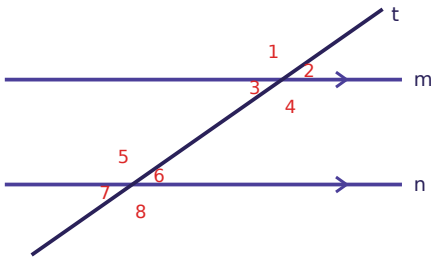
Task card 20 All Angle Relationships: Mixed Rev...

The angles meet at a point. Find the value of x.



Task card 21 All Angle Relationships: Mixed Rev...

∠3 = (5x - 45)° and ∠7 = (3x - 13)°. Find x.



Task card 22 All Angle Relationships: Mixed Rev...

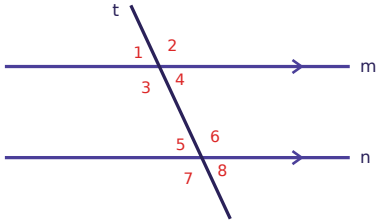
What is the name for two angles whose measures add up to 180°? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

Task card 23 All Angle Relationships: Mixed Rev...

∠A = (x + 29)° and ∠B = (3x - 11)° are complementary. Find x.

Task card 24 All Angle Relationships: Mixed Rev...

∠7 = 115°. Find the measure of ∠4.



All Angle Relationships: Mixed Review Task Cards

Recording sheet · Grade 8 · Name each relationship, or find the missing angle or x. Lines m and n are parallel. 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

All Angle Relationships: Mixed Review Task Cards: Answer Key

Grade 8 · Medium

The answers online

1. alternate interior	**2.** 42	**3.** 144
4. neither	**5.** 128	**6.** x = 10
7. vertical	**8.** x = 23	**9.** x = 22
10. vertical	**11.** x = 29	**12.** 100
13. x = 28	**14.** complementary	**15.** x = 19
16. 112	**17.** x = 11	**18.** linear pair
19. x = 25	**20.** 65	**21.** x = 16
22. supplementary	**23.** x = 18	**24.** 65