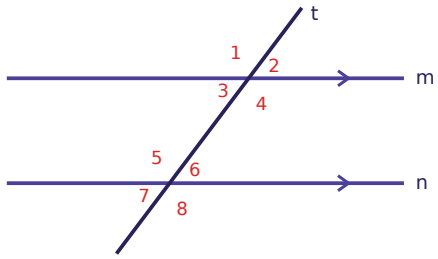
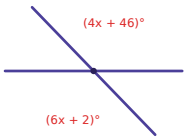
Task card 1 All Angle Relationships: Mixed Rev...

$\angle 5 = (4x + 7)°$ and $\angle 7 = (3x - 37)°$. Find x.



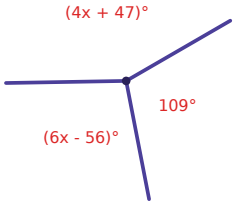
Task card 2 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



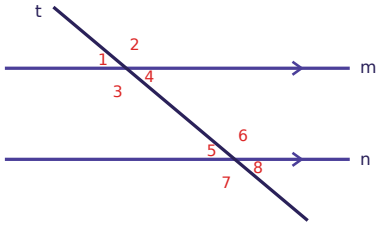
Task card 3 All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



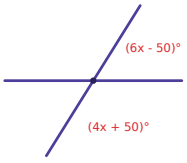
Task card 4 All Angle Relationships: Mixed Rev...

What kind of angle pair are $\angle 6$ and $\angle 4$: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



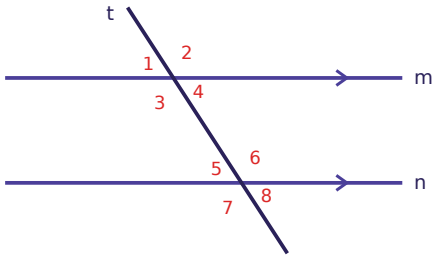
Task card 5 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



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

$\angle 3 = (6x + 27)°$ and $\angle 8 = (2x + 25)°$. Find x.



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

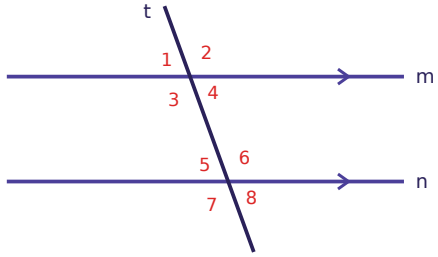
$\angle A = (5x + 15)°$ and $\angle B = (4x + 21)°$ are supplementary. Find x.

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

Two angles measure 78° and 106°. Are they complementary, supplementary, or neither?

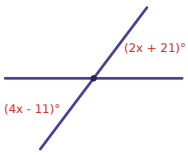
Task card 9 All Angle Relationships: Mixed Rev...

$\angle 4 = (3x + 7)°$ and $\angle 2 = (4x + 26)°$. Find x.



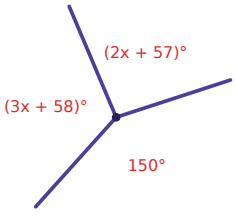
Task card 10 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



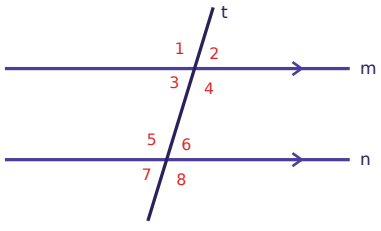
Task card 11 All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



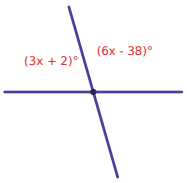
Task card 12 All Angle Relationships: Mixed Rev...

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



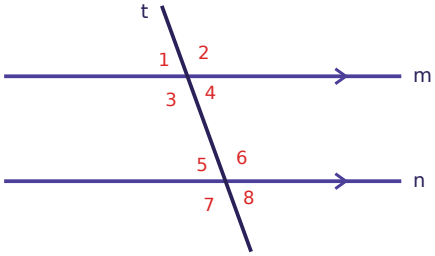
Task card 13 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



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

∠4 = (2x + 42)° and ∠8 = (4x + 14)°. Find x.



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

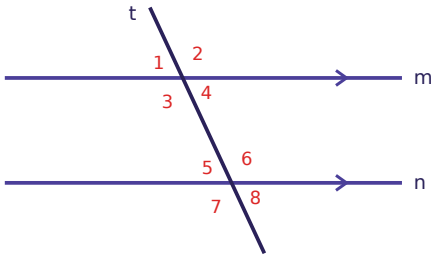
∠A = (5x - 7)° and ∠B = (2x + 41)° are complementary. Find x.

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

Two angles measure 75° and 109°. Are they complementary, supplementary, or neither?

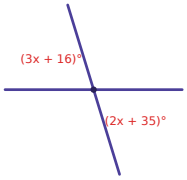
Task card 17 All Angle Relationships: Mixed Rev...

∠4 = (x + 45)° and ∠2 = (6x - 5)°. Find x.



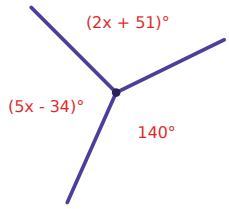
Task card 18 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



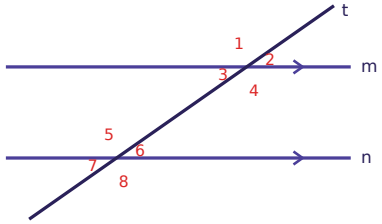
Task card 19 All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



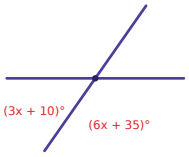
Task card 20 All Angle Relationships: Mixed Rev...

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



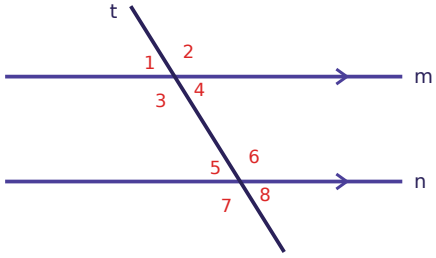
Task card 21 All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



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

∠4 = (5x - 17)° and ∠1 = (6x - 32)°. Find x.



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

∠A = (2x + 7)° and ∠B = (4x - 19)° are complementary. Find x.

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

Two angles measure 71° and 115°. Are they complementary, supplementary, or neither?

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 · Hard

The answers online

1. x = 30	**2.** x = 22	**3.** x = 26
4. same-side interior	**5.** x = 18	**6.** x = 16
7. x = 16	**8.** neither	**9.** x = 21
10. x = 16	**11.** x = 19	**12.** same-side interior
13. x = 24	**14.** x = 14	**15.** x = 8
16. neither	**17.** x = 20	**18.** x = 19
19. x = 29	**20.** vertical	**21.** x = 15
22. x = 15	**23.** x = 17	**24.** neither