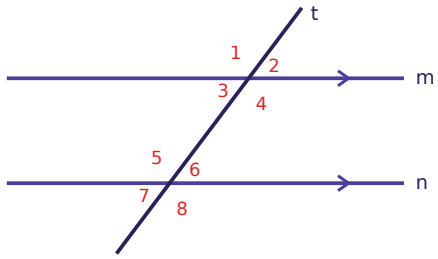
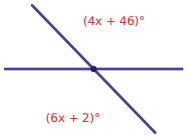
**Task card 1** All Angle Relationships: Mixed Rev...

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



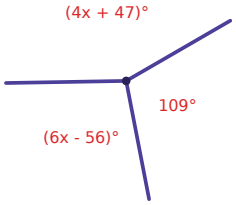

**Task card 2** All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



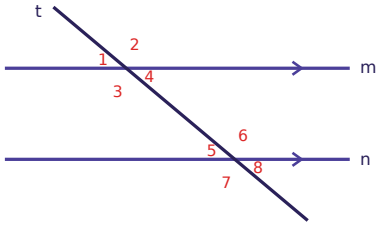

**Task card 3** All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



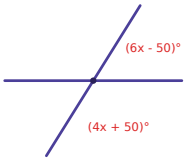

**Task card 4** All Angle Relationships: Mixed Rev...

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



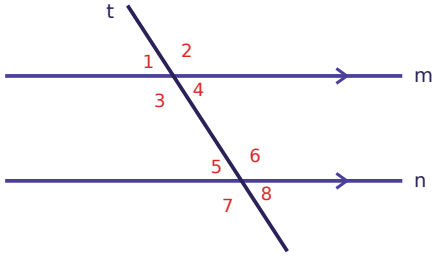

**Task card 5** All Angle Relationships: Mixed Rev...

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...

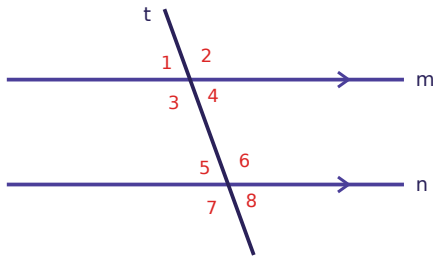
$\angle A = (5x + 15)°$ and $\angle B = (4x + 21)°$ are supplementary. Find x.

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

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

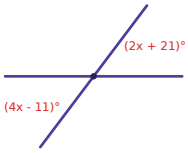
**Task card 9** All Angle Relationships: Mixed Rev...

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



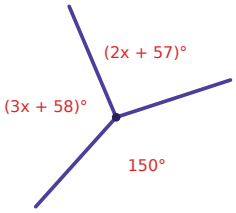

**Task card 10** All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



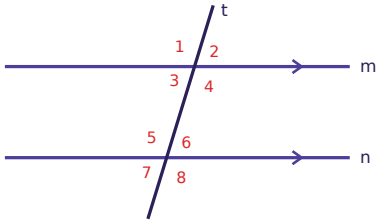

**Task card 11** All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



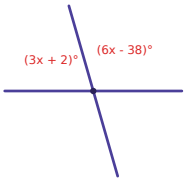

**Task card 12** All Angle Relationships: Mixed Rev...

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



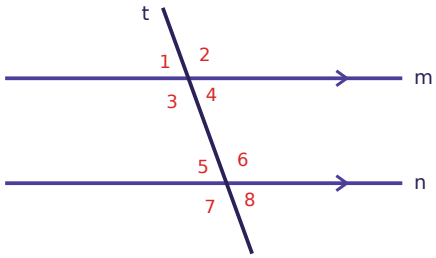
**Task card 13** All Angle Relationships: Mixed Rev...

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...

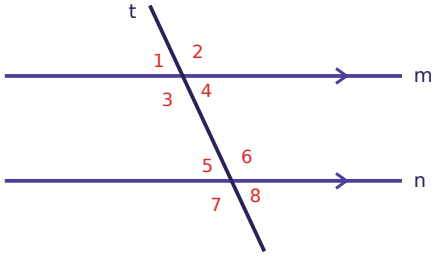
∠A = (5x - 7)° and ∠B = (2x + 41)° are complementary. Find x.

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

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

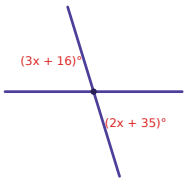
**Task card 17** All Angle Relationships: Mixed Rev...

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



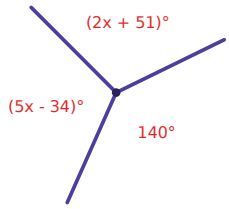

**Task card 18** All Angle Relationships: Mixed Rev...

Two lines cross. Find x.



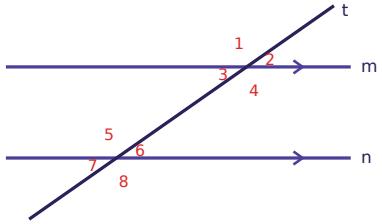
**Task card 19** All Angle Relationships: Mixed Rev...

The three angles meet at a point. Find x.



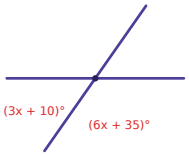

**Task card 20** All Angle Relationships: Mixed Rev...

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



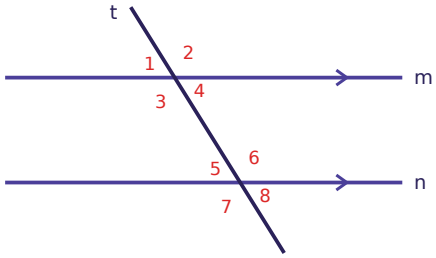

**Task card 21** All Angle Relationships: Mixed Rev...

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 |