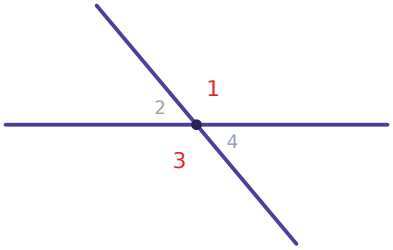
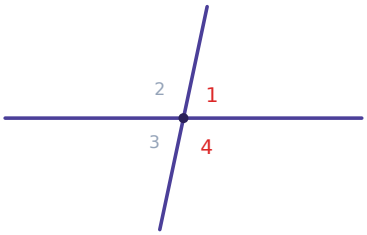
Task card 1 Angle Pairs: Complementary, Supple...

$m\angle 3 = (11x + 64)°$ and $m\angle 1 = (7x + 88)°$. Find x.



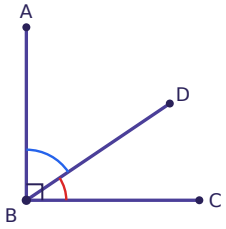
Task card 2 Angle Pairs: Complementary, Supple...

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (7x + 25)°$ and $m\angle 1 = (7x + 1)°$. Find x.



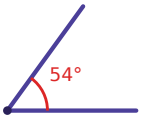
Task card 3 Angle Pairs: Complementary, Supple...

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (7x + 14)°$ and $m\angle DBC = (3x + 16)°$. Find x.



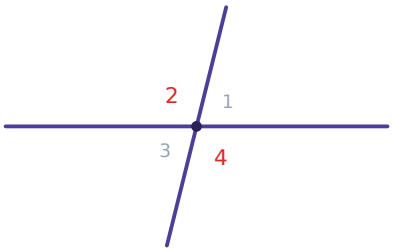
Task card 4 Angle Pairs: Complementary, Supple...

An angle measures 54°. Find the measure of its complement.



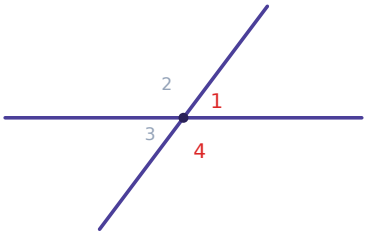
Task card 5 Angle Pairs: Complementary, Supple...

$m\angle 2 = (7x + 41)°$ and $m\angle 4 = (4x + 68)°$. Find x.



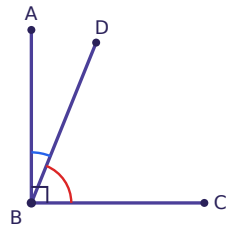
Task card 6 Angle Pairs: Complementary, Supple...

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (15x - 38)°$ and $m\angle 1 = (6x - 13)°$. Find x.



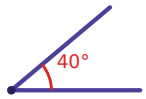
Task card 7 Angle Pairs: Complementary, Supple...

∠ABD and ∠DBC are complementary. m∠ABD = (7x + 1)° and m∠DBC = (7x + 47)°. Find x.



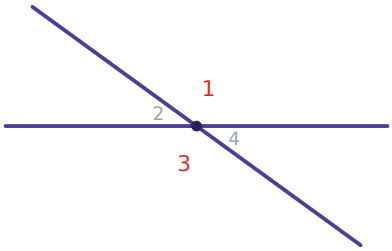
Task card 8 Angle Pairs: Complementary, Supple...

An angle measures 40°. Find the measure of its complement.



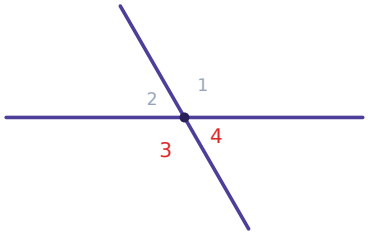
Task card 9 Angle Pairs: Complementary, Supple...

m∠1 = (9x + 90)° and m∠3 = (15x + 54)°. Find x.



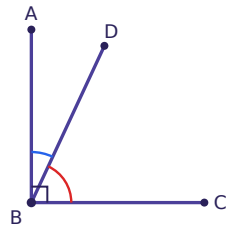
Task card 10 Angle Pairs: Complementary, Supple...

∠3 and ∠4 form a linear pair. m∠3 = (10x + 90)° and m∠4 = (5x + 45)°. Find x.



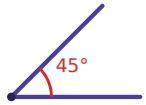
Task card 11 Angle Pairs: Complementary, Supple...

∠ABD and ∠DBC are complementary. m∠ABD = (5x - 20)° and m∠DBC = (7x + 2)°. Find x.



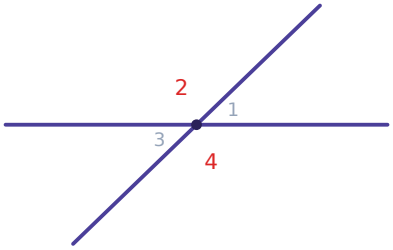
Task card 12 Angle Pairs: Complementary, Supple...

An angle measures 45°. Find the measure of its complement.



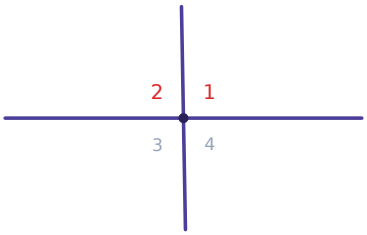
Task card 13 Angle Pairs: Complementary, Supple...

$m\angle 4 = (10x + 16)°$ and $m\angle 2 = (6x + 64)°$. Find x.



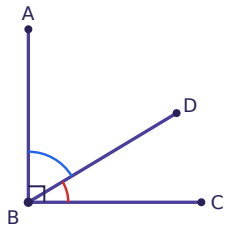
Task card 14 Angle Pairs: Complementary, Supple...

$\angle 1$ and $\angle 2$ form a linear pair. $m\angle 1 = (3x + 79)°$ and $m\angle 2 = (4x + 73)°$. Find x.



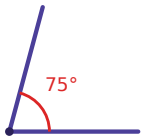
Task card 15 Angle Pairs: Complementary, Supple...

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (3x + 35)°$ and $m\angle DBC = (2x + 15)°$. Find x.



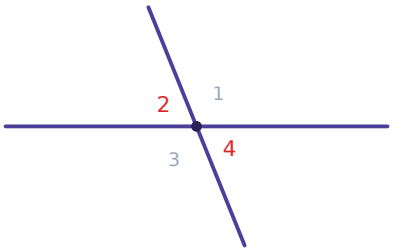
Task card 16 Angle Pairs: Complementary, Supple...

An angle measures 75°. Find the measure of its complement.



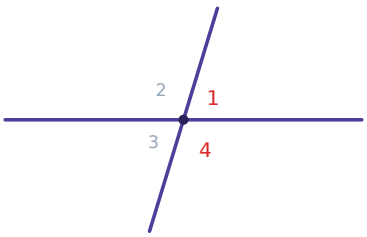
Task card 17 Angle Pairs: Complementary, Supple...

$m\angle 2 = (7x - 2)°$ and $m\angle 4 = (6x + 8)°$. Find $m\angle 2$.



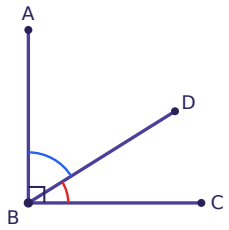
Task card 18 Angle Pairs: Complementary, Supple...

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (8x + 59)°$ and $m\angle 1 = (5x + 43)°$. Find $m\angle 1$.



Task card 19 Angle Pairs: Complementary, Supple...

∠ABD and ∠DBC are complementary. m∠ABD = (3x + 40)° and m∠DBC = (4x + 8)°. Find m∠ABD.

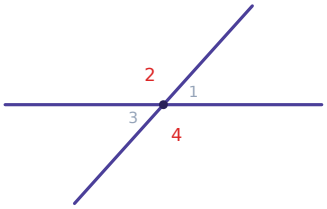


Task card 20 Angle Pairs: Complementary, Supple...

An angle measures 9° more than 2 times its complement. Find the measure of the angle.

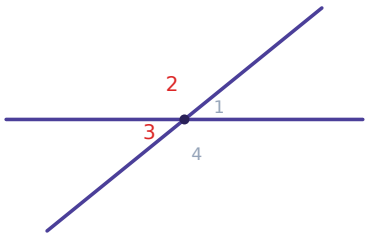
Task card 21 Angle Pairs: Complementary, Supple...

m∠2 = (15x + 87)° and m∠4 = (14x + 90)°. Find m∠2.



Task card 22 Angle Pairs: Complementary, Supple...

∠2 and ∠3 form a linear pair. m∠2 = (14x + 85)° and m∠3 = (5x + 19)°. Find m∠3.

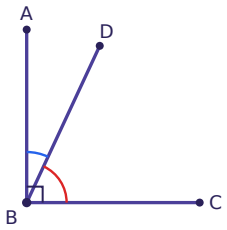


Task card 23 Angle Pairs: Complementary, Supple...

The supplement of an angle is 10 times its complement. Find the measure of the angle.

Task card 24 Angle Pairs: Complementary, Supple...

∠ABD and ∠DBC are complementary. m∠ABD = (2x + 3)° and m∠DBC = (3x + 32)°. Find m∠ABD.



Angle Pairs: Complementary, Supplementary & Vertical Task Cards

Recording sheet · Grade 10 · Use the angle relationships in each diagram to answer the question.

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

Angle Pairs: Complementary, Supplementary & Vertical Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 6	**2.** 11	**3.** 6
4. 36°	**5.** 9	**6.** 11
7. 3	**8.** 50°	**9.** 6
10. 3	**11.** 9	**12.** 45°
13. 12	**14.** 4	**15.** 8
16. 15°	**17.** 68°	**18.** 73°
19. 58°	**20.** 63°	**21.** 132°
22. 39°	**23.** 80°	**24.** 25°