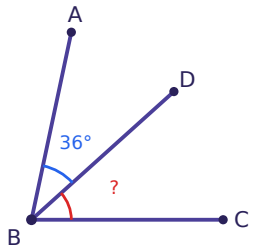
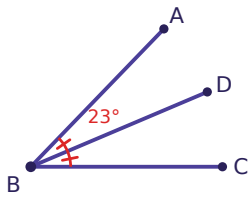
Task card 1 Angle Addition & Angle Bisectors

m∠ABC = 78° and m∠ABD = 36°. Find m∠DBC.



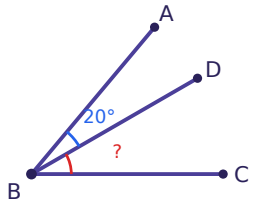
Task card 2 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 23°. Find m∠ABC.



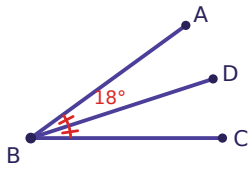
Task card 3 Angle Addition & Angle Bisectors

m∠ABC = 50° and m∠ABD = 20°. Find m∠DBC.



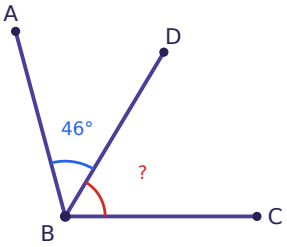
Task card 4 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 18°. Find m∠ABC.



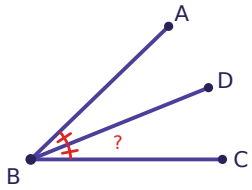
Task card 5 Angle Addition & Angle Bisectors

m∠ABC = 105° and m∠ABD = 46°. Find m∠DBC.



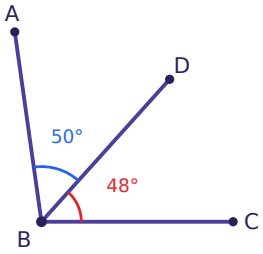
Task card 6 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABC = 44°. Find m∠DBC.



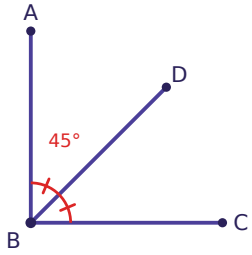
Task card 7 Angle Addition & Angle Bisectors

m∠ABD = 50° and m∠DBC = 48°. Find m∠ABC.



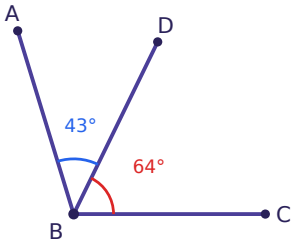
Task card 8 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 45°. Find m∠ABC.



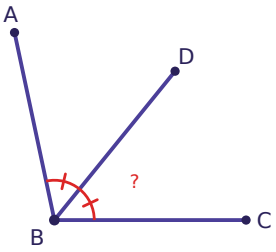
Task card 9 Angle Addition & Angle Bisectors

m∠ABD = 43° and m∠DBC = 64°. Find m∠ABC.



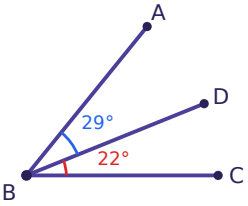
Task card 10 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABC = 102°. Find m∠DBC.



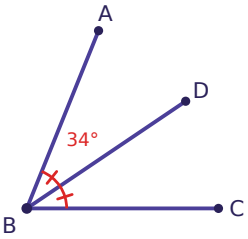
Task card 11 Angle Addition & Angle Bisectors

m∠ABD = 29° and m∠DBC = 22°. Find m∠ABC.



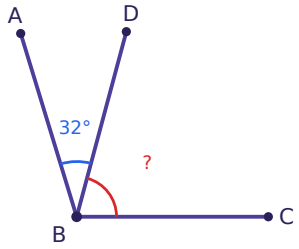
Task card 12 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 34°. Find m∠ABC.



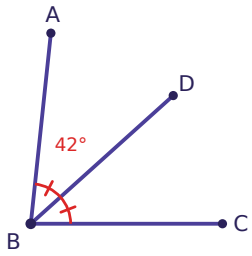
Task card 13 Angle Addition & Angle Bisectors

m∠ABC = 107° and m∠ABD = 32°. Find m∠DBC.



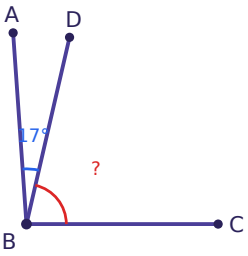
Task card 14 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 42°. Find m∠ABC.



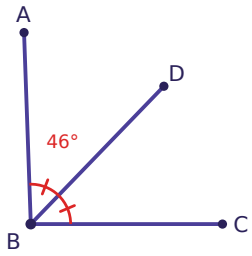
Task card 15 Angle Addition & Angle Bisectors

m∠ABC = 94° and m∠ABD = 17°. Find m∠DBC.



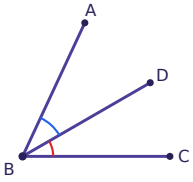
Task card 16 Angle Addition & Angle Bisectors

BD bisects ∠ABC and m∠ABD = 46°. Find m∠ABC.



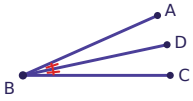
Task card 17 Angle Addition & Angle Bisectors

m∠ABD = (4x - 1)°, m∠DBC = (3x + 3)°, and m∠ABC = 65°. Find x.



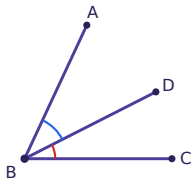
Task card 18 Angle Addition & Angle Bisectors

BD bisects ∠ABC. m∠ABD = (2x - 2)° and m∠DBC = (4x - 16)°. Find x.



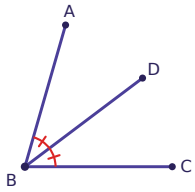
Task card 19 Angle Addition & Angle Bisectors

$m\angle ABD = (x + 31)°$, $m\angle DBC = (3x + 6)°$, and $m\angle ABC = 65°$. Find x.



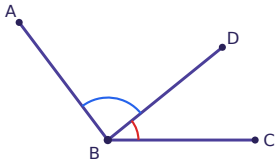
Task card 20 Angle Addition & Angle Bisectors

BD bisects $\angle ABC$. $m\angle ABD = (6x - 17)°$ and $m\angle DBC = (3x + 10)°$. Find x.



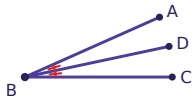
Task card 21 Angle Addition & Angle Bisectors

$m\angle ABD = (6x + 34)°$, $m\angle DBC = (3x + 12)°$, and $m\angle ABC = 127°$. Find x.



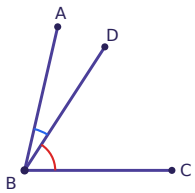
Task card 22 Angle Addition & Angle Bisectors

BD bisects $\angle ABC$. $m\angle ABD = (2x - 6)°$ and $m\angle DBC = (x + 3)°$. Find x.



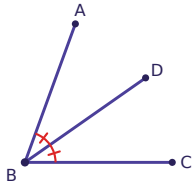
Task card 23 Angle Addition & Angle Bisectors

$m\angle ABD = (x + 9)°$, $m\angle DBC = (5x + 2)°$, and $m\angle ABC = 77°$. Find x.



Task card 24 Angle Addition & Angle Bisectors

BD bisects $\angle ABC$. $m\angle ABD = (6x + 11)°$ and $m\angle DBC = (x + 31)°$. Find x.



Angle Addition & Angle Bisectors Task Cards

Recording sheet · Grade 10 · Point D is in the interior of ∠ABC. Use the given information to answer each 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 Addition & Angle Bisectors Task Cards: Answer Key

Grade 10 · Easy

The answers online

1. 42°	**2.** 46°	**3.** 30°
4. 36°	**5.** 59°	**6.** 22°
7. 98°	**8.** 90°	**9.** 107°
10. 51°	**11.** 51°	**12.** 68°
13. 75°	**14.** 84°	**15.** 77°
16. 92°	**17.** 9	**18.** 7
19. 7	**20.** 9	**21.** 9
22. 9	**23.** 11	**24.** 4