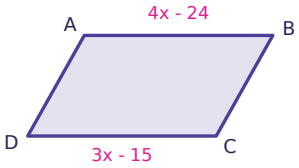
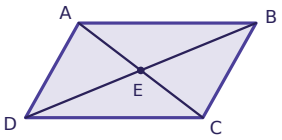
Task card 1 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 4x - 24 and CD = 3x - 15. Find x.



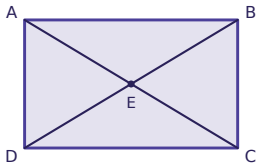
Task card 2 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 2x + 2 and EC = 3x - 4. Find x.



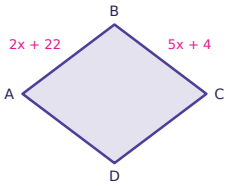
Task card 3 Properties of Parallelograms, Rect...

ABCD is a rectangle. AC = 4x + 20 and BD = 6x + 8. Find x.



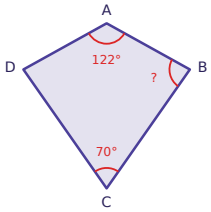
Task card 4 Properties of Parallelograms, Rect...

ABCD is a rhombus. AB = 2x + 22 and BC = 5x + 4. Find x.



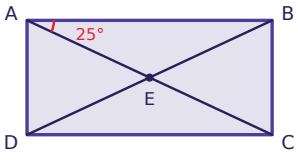
Task card 5 Properties of Parallelograms, Rect...

ABCD is a kite with AB = AD and CB = CD. m∠A = 122° and m∠C = 70°. Find m∠B.



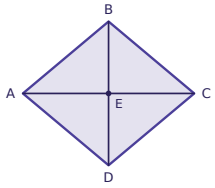
Task card 6 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. m∠EAB = 25°. Find m∠EBC.



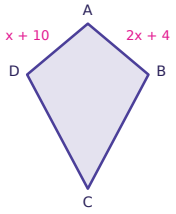
Task card 7 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. Find m∠AEB.



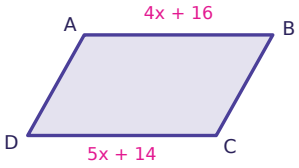
Task card 8 Properties of Parallelograms, Rect...

ABCD is a kite with AB = AD and CB = CD. AB = 2x + 4 and AD = x + 10. Find x.



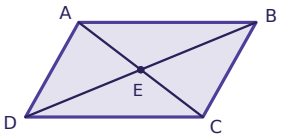
Task card 9 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 4x + 16 and CD = 5x + 14. Find x.



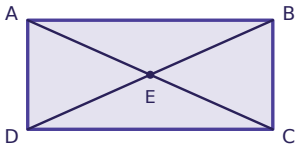
Task card 10 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. BE = 5x - 3 and ED = 6x - 5. Find x.



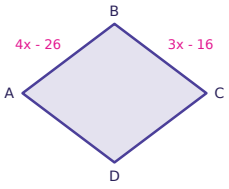
Task card 11 Properties of Parallelograms, Rect...

ABCD is a rectangle. AC = 3x + 12 and BD = 4x + 7. Find x.



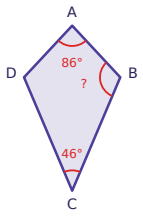
Task card 12 Properties of Parallelograms, Rect...

ABCD is a rhombus. AB = 4x - 26 and BC = 3x - 16. Find x.



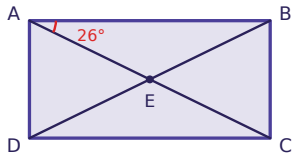
Task card 13 Properties of Parallelograms, Rect...

ABCD is a kite with AB = AD and CB = CD. m∠A = 86° and m∠C = 46°. Find m∠B.



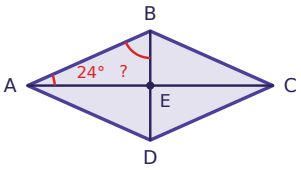
Task card 14 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. m∠EAB = 26°. Find m∠EBC.



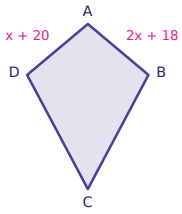
Task card 15 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠EAB = 24°. Find m∠ABE.



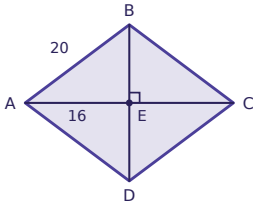
Task card 16 Properties of Parallelograms, Rect...

ABCD is a kite with AB = AD and CB = CD. AB = 2x + 18 and AD = x + 20. Find x.



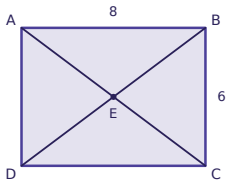
Task card 17 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. AB = 20 and AC = 32. Find BD.



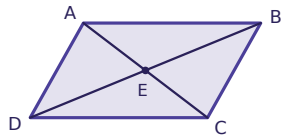
Task card 18 Properties of Parallelograms, Rect...

ABCD is a rectangle with AB = 8 and BC = 6. Find AC.



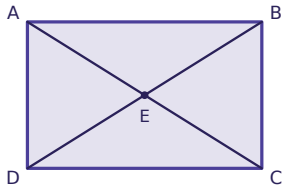
Task card 19 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 4x - 21 and EC = x + 9. Find AC.



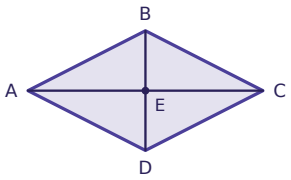
Task card 20 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AE = x + 10 and BD = 5x + 8. Find BD.



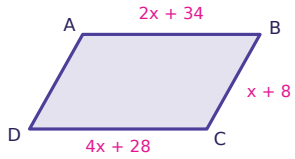
Task card 21 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠AEB = (11x + 24)°. Find x.



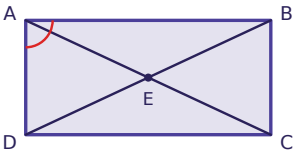
Task card 22 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 2x + 34, CD = 4x + 28 and BC = x + 8. Find the perimeter of ABCD.



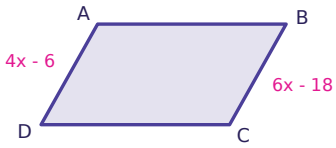
Task card 23 Properties of Parallelograms, Rect...

ABCD is a rectangle. m∠BAC = (6x - 5)° and m∠CAD = (4x + 45)°. Find x.



Task card 24 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AD = 4x - 6 and BC = 6x - 18. Find x.



Properties of Parallelograms, Rectangles, Rhombuses & Kites Task Cards

Recording sheet · Grade 10 · Use the properties of each quadrilateral. When diagonals are drawn, they meet at E. Diagrams are not always drawn to scale.

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

Properties of Parallelograms, Rectangles, Rhombuses & Kites Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 9	**2.** 6	**3.** 6
4. 6	**5.** 84°	**6.** 65°
7. 90°	**8.** 6	**9.** 2
10. 2	**11.** 5	**12.** 10
13. 114°	**14.** 64°	**15.** 66°
16. 2	**17.** 24	**18.** 10
19. 38	**20.** 28	**21.** 6
22. 102	**23.** 5	**24.** 6