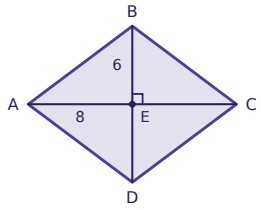
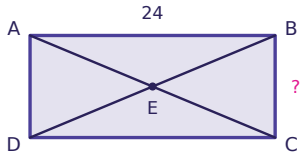
Task card 1 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. AC = 16 and BD = 12. Find AB.



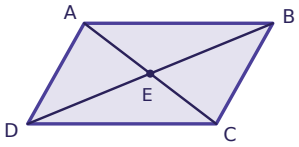
Task card 2 Properties of Parallelograms, Rect...

ABCD is a rectangle with AB = 24 and BD = 26. Find BC.



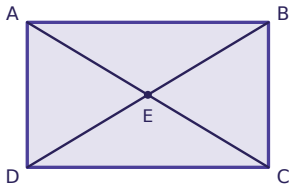
Task card 3 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 2x + 7 and EC = 3x. Find AC.



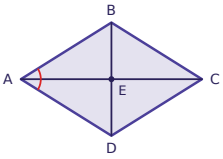
Task card 4 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AE = 4x and BD = 4x + 8. Find BD.



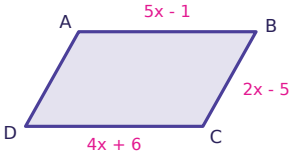
Task card 5 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (5x - 13)° and m∠BAC = (x + 23)°. Find x.



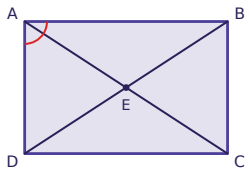
Task card 6 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 5x - 1, CD = 4x + 6 and BC = 2x - 5. Find the perimeter of ABCD.



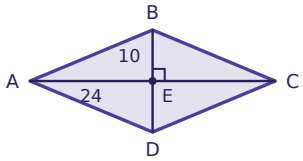
Task card 7 Properties of Parallelograms, Rect...

ABCD is a rectangle. m∠BAC = (7x - 23)° and m∠CAD = (3x + 33)°. Find x.



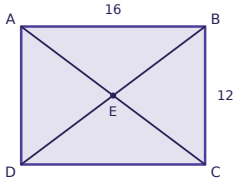
Task card 8 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. AC = 48 and BD = 20. Find AB.



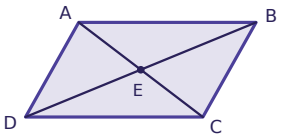
Task card 9 Properties of Parallelograms, Rect...

ABCD is a rectangle with AB = 16 and BC = 12. Find AC.



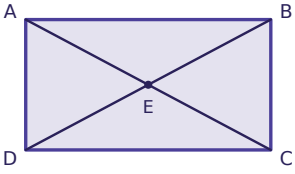
Task card 10 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 2x - 9 and EC = 3x - 21. Find AC.



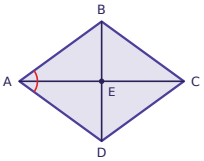
Task card 11 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AE = x + 9 and BD = x + 29. Find BD.



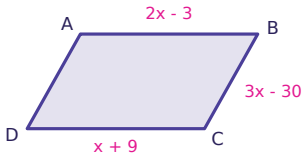
Task card 12 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 24)° and m∠BAC = (2x + 12)°. Find x.



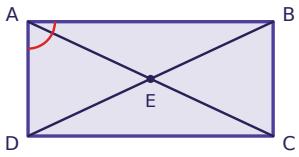
Task card 13 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 2x - 3, CD = x + 9 and BC = 3x - 30. Find the perimeter of ABCD.



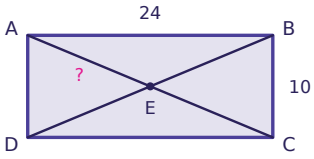
Task card 14 Properties of Parallelograms, Rect...

ABCD is a rectangle. m∠BAC = (7x - 17)° and m∠CAD = (6x + 29)°. Find x.



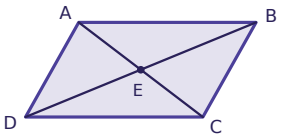
Task card 15 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AB = 24 and BC = 10. Find AE.



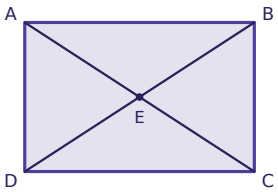
Task card 16 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 4x + 13 and EC = x + 25. Find AC.



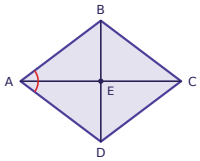
Task card 17 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AE = 3x - 8 and BD = 4x + 8. Find BD.



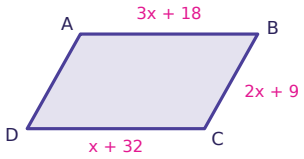
Task card 18 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 28)° and m∠BAC = (2x + 19)°. Find x.



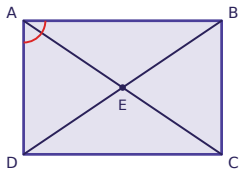
Task card 19 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 3x + 18, CD = x + 32 and BC = 2x + 9. Find the perimeter of ABCD.



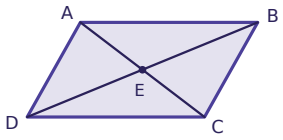
Task card 20 Properties of Parallelograms, Rect...

ABCD is a rectangle. m∠BAC = (2x + 12)° and m∠CAD = (x + 45)°. Find x.



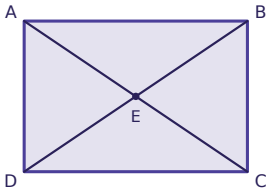
Task card 21 Properties of Parallelograms, Rect...

ABCD is a parallelogram whose diagonals meet at E. AE = 5x - 8 and EC = 2x + 1. Find AC.



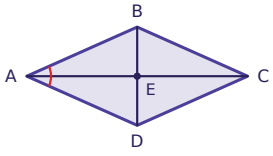
Task card 22 Properties of Parallelograms, Rect...

ABCD is a rectangle whose diagonals meet at E. AE = 2x - 14 and BD = 3x - 16. Find BD.



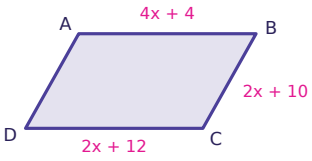
Task card 23 Properties of Parallelograms, Rect...

ABCD is a rhombus whose diagonals meet at E. m∠DAC = (x + 15)° and m∠BAC = (3x - 3)°. Find x.



Task card 24 Properties of Parallelograms, Rect...

ABCD is a parallelogram. AB = 4x + 4, CD = 2x + 12 and BC = 2x + 10. Find the perimeter of ABCD.



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 · Hard

The answers online

1. 10	**2.** 10	**3.** 42
4. 16	**5.** 9	**6.** 86
7. 8	**8.** 26	**9.** 20
10. 30	**11.** 40	**12.** 12
13. 54	**14.** 6	**15.** 13
16. 58	**17.** 56	**18.** 9
19. 124	**20.** 11	**21.** 14
22. 20	**23.** 9	**24.** 76