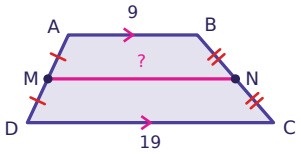
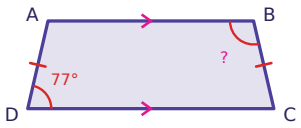
Task card 1 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 9 and DC = 19. Find MN.



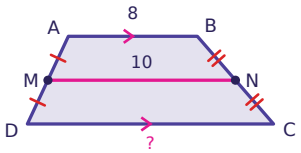
Task card 2 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. m∠D = 77°. Find m∠B.



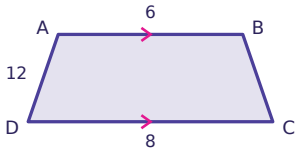
Task card 3 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. MN = 10 and AB = 8. Find DC.



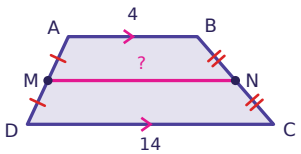
Task card 4 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. AB = 6, DC = 8 and AD = 12. Find the perimeter of ABCD.



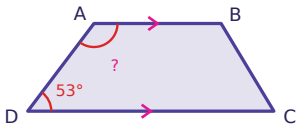
Task card 5 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 4 and DC = 14. Find MN.



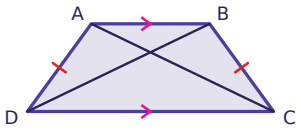
Task card 6 Trapezoids: Midsegments, Angles &...

In trapezoid ABCD, AB ∥ DC. m∠D = 53°. Find m∠A.



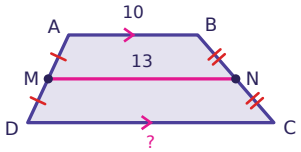
Task card 7 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. BD = 21. Find AC.



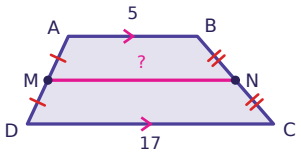
Task card 8 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. MN = 13 and AB = 10. Find DC.



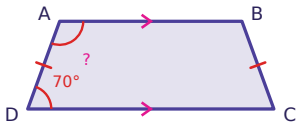
Task card 9 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 5 and DC = 17. Find MN.



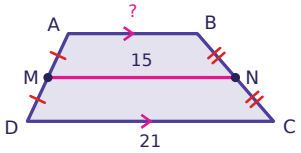
Task card 10 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. m∠D = 70°. Find m∠A.



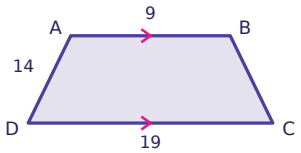
Task card 11 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. MN = 15 and DC = 21. Find AB.



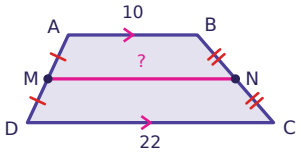
Task card 12 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. AB = 9, DC = 19 and AD = 14. Find the perimeter of ABCD.



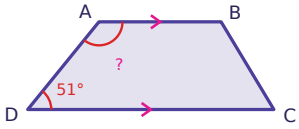
Task card 13 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 10 and DC = 22. Find MN.



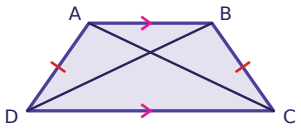
Task card 14 Trapezoids: Midsegments, Angles &...

In trapezoid ABCD, AB ∥ DC. m∠D = 51°. Find m∠A.



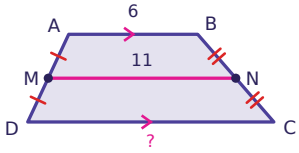
Task card 15 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. BD = 8. Find AC.



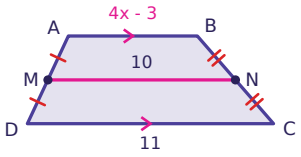
Task card 16 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. MN = 11 and AB = 6. Find DC.



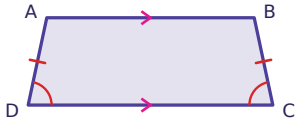
Task card 17 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 4x - 3, DC = 11 and MN = 10. Find x.



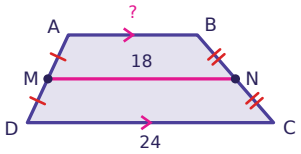
Task card 18 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. m∠D = (5x + 43)° and m∠C = (7x + 29)°. Find x.



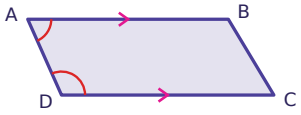
Task card 19 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. MN = 18 and DC = 24. Find AB.



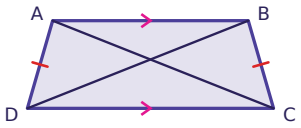
Task card 20 Trapezoids: Midsegments, Angles &...

In trapezoid ABCD, AB ∥ DC. m∠D = (12x + 90)° and m∠A = (13x + 40)°. Find x.



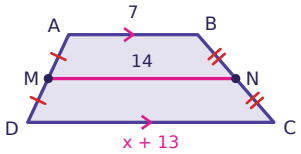
Task card 21 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. AC = 4x + 25 and BD = 2x + 33. Find x.



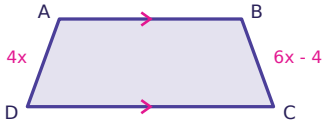
Task card 22 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 7, DC = x + 13 and MN = 14. Find x.



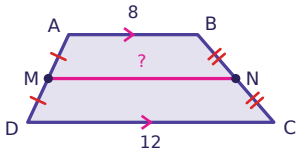
Task card 23 Trapezoids: Midsegments, Angles &...

ABCD is an isosceles trapezoid with AD = BC. AD = 4x and BC = 6x - 4. Find x.



Task card 24 Trapezoids: Midsegments, Angles &...

MN is the midsegment of trapezoid ABCD. AB = 8 and DC = 12. Find MN.



Trapezoids: Midsegments, Angles & Diagonals Task Cards

Recording sheet · Grade 10 · In each trapezoid ABCD, AB ∥ DC, with AB on top. When M and N are shown, they are the midpoints of the legs AD and BC, so MN is the midsegment.

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

Trapezoids: Midsegments, Angles & Diagonals Task Cards: Answer Key

Grade 10 · Easy

The answers online

1. 14	**2.** 103°	**3.** 12
4. 38	**5.** 9	**6.** 127°
7. 21	**8.** 16	**9.** 11
10. 110°	**11.** 9	**12.** 56
13. 16	**14.** 129°	**15.** 8
16. 16	**17.** 3	**18.** 7
19. 12	**20.** 2	**21.** 4
22. 8	**23.** 2	**24.** 10