Intersecting chords and secants

MATHS·SCHOOL

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Name:

Intersecting Chords

a) BX = 5cm, CX = 3cm, DX = 8cm

Find the length of AX.
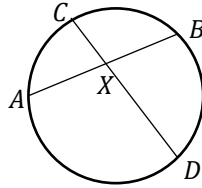
4.8cm

d) CD = 15cm, DX = 10cm, AX = 6cm

Find the length of BX.
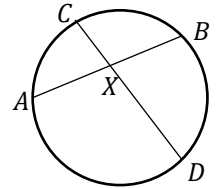
8.33cm

b) AX = 4cm, BX = 3cm, DX = 6cm

Find the length of CX.
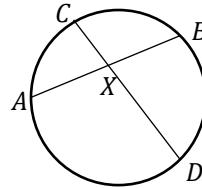
2cm

e) AX = 8cm, CX = 3cm, AB = 24cm

Find the length of DX.
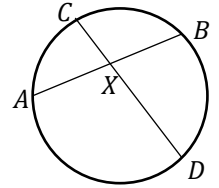
42.66cm

c) AX = 7cm, BX = 6cm, CX = 4cm

Find the length of DX.
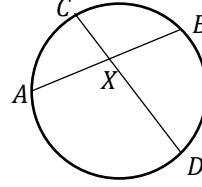
10.5cm

f) BX = 12cm, CX = 5cm, CD = 20cm
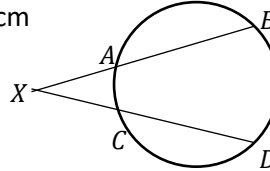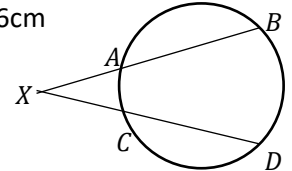
Find the length of AX.
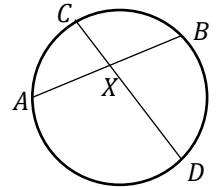
6.25cm

Intersecting Secants

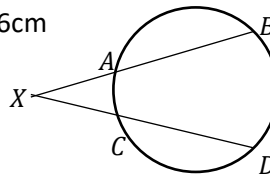g) BX = 12cm, CX = 6cm, DX = 9cm

Find the length of AX.

7.5cm

j) CD = 12cm, DX = 20cm, AX = 6cm

Find the length of AB.

20.66cm

h) AX = 7cm, AB = 14cm, DX = 16cm

Find the length of CX.

9.1875cm

k) AX = 10cm, CX = 8cm, AB = 16cm

Find the length of CD.
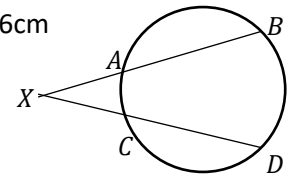
24.5cm

i) AX = 6cm, BX = 18cm, CX = 5cm

Find the length of CD.
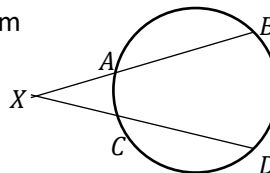
16.6cm

l) AB = 10cm, BX = 18cm, DX = 20cm

Find the length of CD.
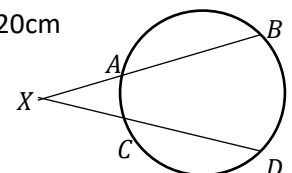
12.8cm

Exam question:

AB = 12cm, CX = 6cm, CD = 15cm

Find the length of AX.

Give your answer to 3 decimal places

6.728cm