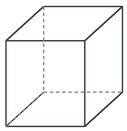
Geometric objects, segments and midpoints — Further practice

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Further practice 11

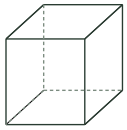
How many faces does a cube have? Count each distinct object once.



Geometry diagram; not drawn to scale except for construction tasks.

Further practice 12

How many vertices does a cube have? Count each distinct object once.



Geometry diagram; not drawn to scale except for construction tasks.

Further practice 13

M lies between A and B, AM = 5 cm and AB = 13 cm. Find MB.



Points are shown in the stated order; use the given lengths.

Further practice 14

A, B, C are collinear in that order. AB = 3 cm and BC = 7 cm. Find AC.



Use the given order and lengths; the sketch is not a measuring scale.

Extension 15

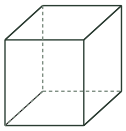
AB = 12 cm, M is its midpoint, and P lies between A and M with AP = 2 cm. Find PM.



Points are shown in the stated order; use the given lengths.

Extension 16

A cube has six faces with four edges on each face. Why is its edge count not $6 \times 4 = 24$? Find the distinct edge count.



Geometry diagram; not drawn to scale except for construction tasks.