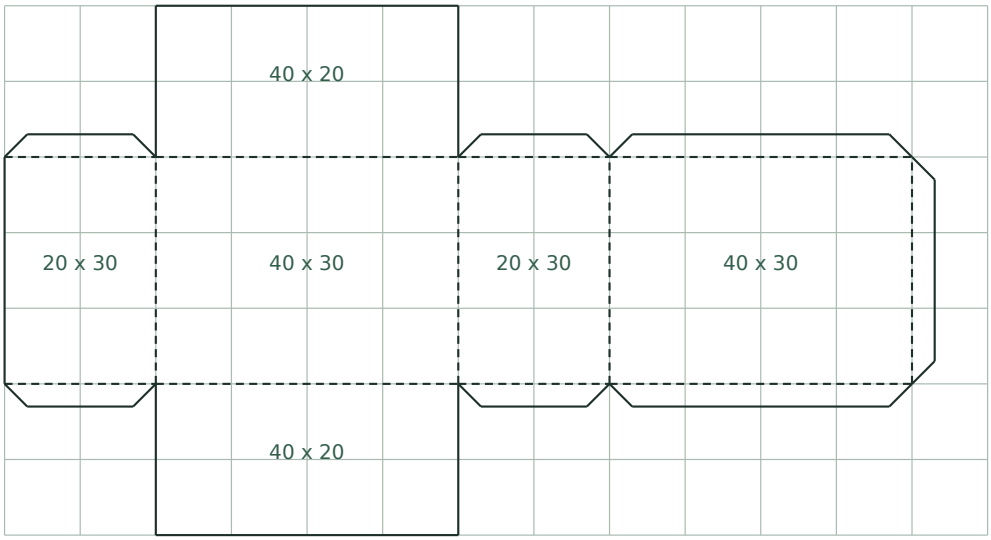
Rectangular Prism Net on Graph Paper

Answer key / Task 1

The printable net has length 40 mm, width 20 mm and height 30 mm. Label the six faces, calculate surface area without glue tabs, and calculate the box volume.

Answer: Surface area 5200 square mm; volume 24000 cubic mm.



10 mm grid; dark solid = cut; dashed = fold. Print at 100%.

Two 40 x 20, two 40 x 30, and two 20 x 30 faces give 2(LW + LH + WH). Volume is L x W x H.

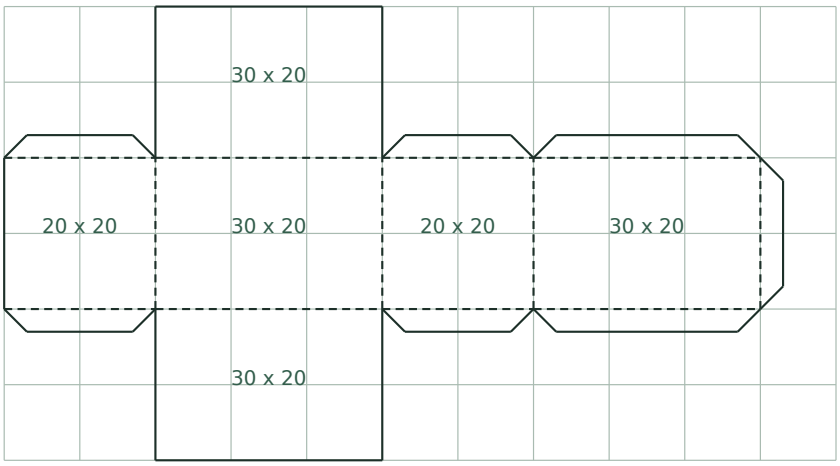
Check: 2 x (800 + 1200 + 600) = 5200; 40 x 20 x 30 = 24000.

Rectangular Prism Net on Graph Paper

Answer key / Task 2

The printable net has length 30 mm, width 20 mm and height 20 mm. Label the six faces, calculate surface area without glue tabs, and calculate the box volume.

Answer: Surface area 3200 square mm; volume 12000 cubic mm.



10 mm grid; dark solid = cut; dashed = fold. Print at 100%.

Two 30 x 20, two 30 x 20, and two 20 x 20 faces give 2(LW + LH + WH). Volume is L x W x H.

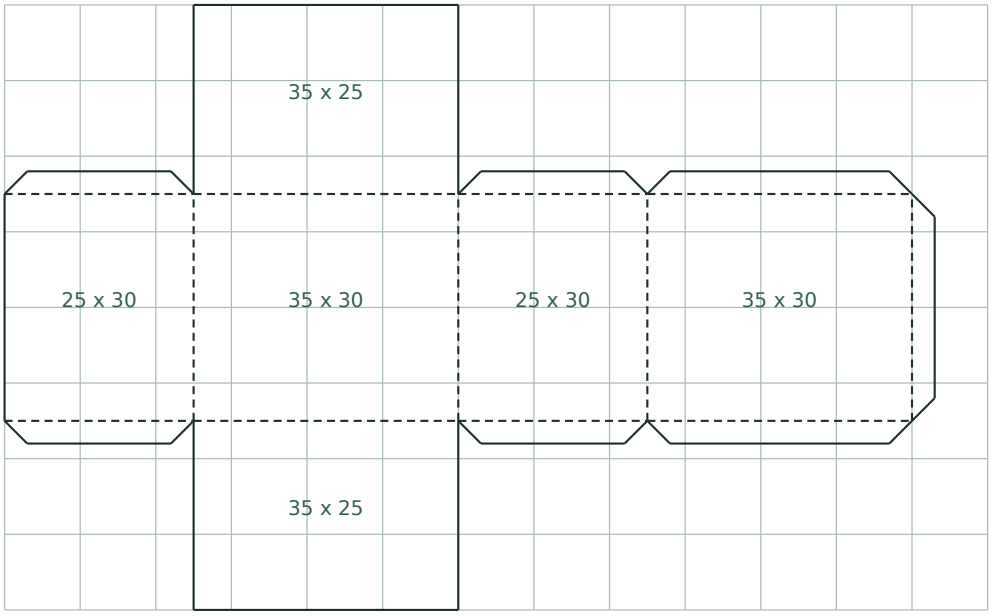
Check: 2 x (600 + 600 + 400) = 3200; 30 x 20 x 20 = 12000.

Rectangular Prism Net on Graph Paper

Answer key / Task 3

The printable net has length 35 mm, width 25 mm and height 30 mm. Label the six faces, calculate surface area without glue tabs, and calculate the box volume.

Answer: Surface area 5350 square mm; volume 26250 cubic mm.



10 mm grid; dark solid = cut; dashed = fold. Print at 100%.

Two 35 x 25, two 35 x 30, and two 25 x 30 faces give 2(LW + LH + WH). Volume is L x W x H.

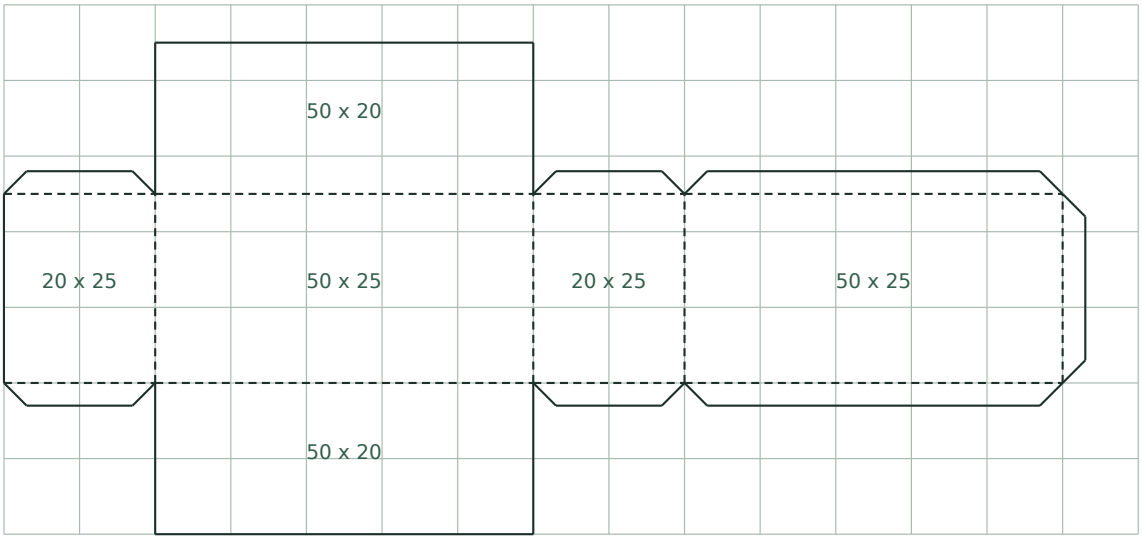
Check: 2 x (875 + 1050 + 750) = 5350; 35 x 25 x 30 = 26250.

Rectangular Prism Net on Graph Paper

Answer key / Task 4

The printable net has length 50 mm, width 20 mm and height 25 mm. Label the six faces, calculate surface area without glue tabs, and calculate the box volume.

Answer: Surface area 5500 square mm; volume 25000 cubic mm.



10 mm grid; dark solid = cut; dashed = fold. Print at 100%.

Two 50 x 20, two 50 x 25, and two 20 x 25 faces give 2(LW + LH + WH). Volume is L x W x H.

Check: 2 x (1000 + 1250 + 500) = 5500; 50 x 20 x 25 = 25000.