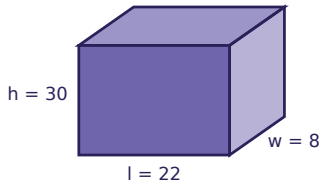
Task card 1 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square feet: length 22 ft, width 8 ft, height 30 ft.

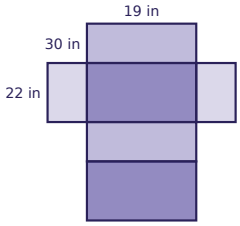


Task card 2 Surface Area of Rectangular Prisms

A box is 30 ft long, 25 ft wide and 30 ft tall. What is the total area of its top and bottom faces together, in square feet?

Task card 3 Surface Area of Rectangular Prisms

The net folds up into a box. Find the box's surface area in square inches.



Task card 4 Surface Area of Rectangular Prisms

A box has a surface area of 1,602 square feet. It is 12 ft long and 15 ft wide. How tall is it, in feet?

Task card 5 Surface Area of Rectangular Prisms

A fish tank is 20 cm long, 20 cm wide and 28 cm tall. A cover is made to fit over all 6 faces. How many square centimeters of plastic does it use?

Task card 6 Surface Area of Rectangular Prisms

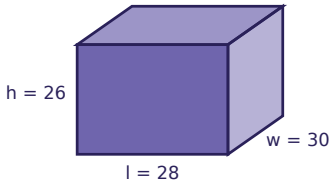
Box A is 8 ft long, 18 ft wide and 13 ft tall. Box B is 28 ft long, 24 ft wide and 18 ft tall. How many more square feet of paper does it take to cover Box B than Box A?

Task card 7 Surface Area of Rectangular Prisms

Kai found the surface area of a box 27 m long, 10 m wide and 26 m tall, but added one face from each pair and forgot to double, and got 1,232 square meters. What is the correct surface area, in square meters?

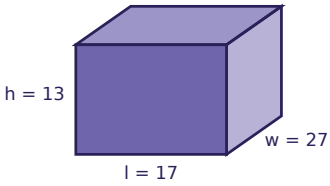
Task card 8 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square centimeters: length 28 cm, width 30 cm, height 26 cm.



Task card 9 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square meters: length 17 m, width 27 m, height 13 m.

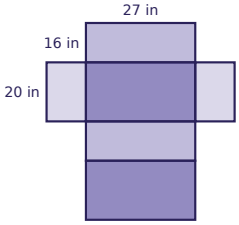


Task card 10 Surface Area of Rectangular Prisms

A box is 23 ft long, 30 ft wide and 19 ft tall. What is the total area of its front and back faces together, in square feet?

Task card 11 Surface Area of Rectangular Prisms

The net folds up into a box. Find the box's surface area in square inches.



Task card 12 Surface Area of Rectangular Prisms

A box has a surface area of 1,578 square feet. It is 11 ft long and 24 ft wide. How tall is it, in feet?

Task card 13 Surface Area of Rectangular Prisms

A gift box is 27 in long, 9 in wide and 11 in tall. How many square inches of wrapping paper cover it exactly?

Task card 14 Surface Area of Rectangular Prisms

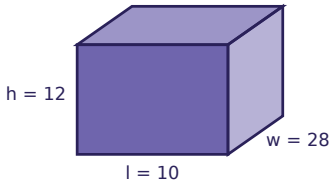
Box A is 21 ft long, 13 ft wide and 14 ft tall. Box B is 26 ft long, 24 ft wide and 16 ft tall. How many more square feet of paper does it take to cover Box B than Box A?

Task card 15 Surface Area of Rectangular Prisms

Ana found the surface area of a box 13 m long, 13 m wide and 8 m tall, but left out the top and the bottom, and got 416 square meters. What is the correct surface area, in square meters?

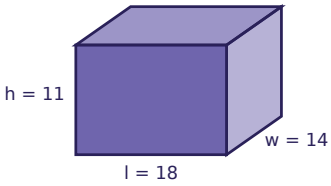
Task card 16 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square feet: length 10 ft, width 28 ft, height 12 ft.



Task card 17 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square inches: length 18 in, width 14 in, height 11 in.

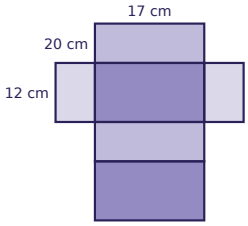


Task card 18 Surface Area of Rectangular Prisms

A box is 25 cm long, 22 cm wide and 9 cm tall. What is the total area of its top and bottom faces together, in square centimeters?

Task card 19 Surface Area of Rectangular Prisms

The net folds up into a box. Find the box's surface area in square centimeters.



Task card 20 Surface Area of Rectangular Prisms

A box has a surface area of 2,572 square centimeters. It is 14 cm long and 25 cm wide. How tall is it, in centimeters?

Task card 21 Surface Area of Rectangular Prisms

A wooden crate is 8 ft long, 8 ft wide and 20 ft tall. Every outside face is painted. How many square feet are painted?

Task card 22 Surface Area of Rectangular Prisms

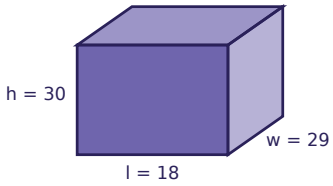
Box A is 14 m long, 8 m wide and 24 m tall. Box B is 14 m long, 26 m wide and 21 m tall. How many more square meters of paper does it take to cover Box B than Box A?

Task card 23 Surface Area of Rectangular Prisms

Maya found the surface area of a box 25 cm long, 11 cm wide and 29 cm tall, but left out the top and the bottom, and got 2,088 square centimeters. What is the correct surface area, in square centimeters?

Task card 24 Surface Area of Rectangular Prisms

Find the surface area of the rectangular prism in square meters: length 18 m, width 29 m, height 30 m.



Surface Area of Rectangular Prisms Task Cards

Recording sheet · Grade 6 · Answer each question. A box has 6 faces in 3 matching pairs.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Surface Area of Rectangular Prisms Task Cards: Answer Key

Grade 6 · Hard

The answers online

1. 2152	**2.** 1500	**3.** 3296
4. 23	**5.** 3040	**6.** 2252
7. 2464	**8.** 4696	**9.** 2062
10. 874	**11.** 2584	**12.** 15
13. 1278	**14.** 1350	**15.** 754
16. 1472	**17.** 1208	**18.** 1100
19. 1568	**20.** 24	**21.** 768
22. 1128	**23.** 2638	**24.** 3864