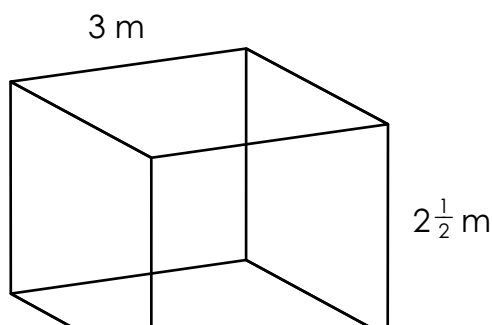


1. Rectangular Prisms with Fractional Edge Lengths

How many $\frac{1}{2}$ -m cubes fit in the prism?



2. Rectangular Prisms with Fractional Edge Lengths

What is the volume?

A rectangular prism has a length of $\frac{3}{4}$ m, a width of $2\frac{1}{4}$ m, and a height of $1\frac{3}{4}$ m.



Preview

Please log in to download the printable version of this worksheet.

Fill in the rectangular prism volume formula using improper fractions.

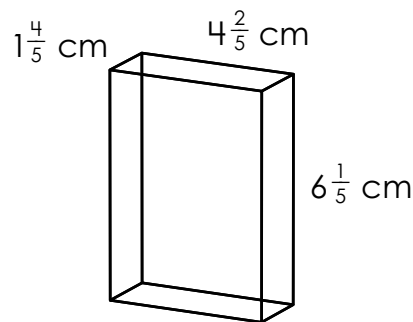
$$l = 4 \text{ mm}$$

$$w = 3 \text{ mm}$$

$$h = 2\frac{2}{3} \text{ mm}$$

Remember to include the units in your answer.

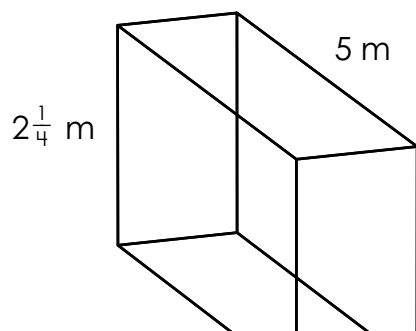
How many $\frac{1}{5}$ -cm cubes fit in the prism? What is the prism's total volume?



Remember to include the units in your answer.

5. Rectangular Prisms with Fractional Edge Lengths

How many $\frac{1}{4}$ -cm cubes fit in the prism?



6. Rectangular Prisms with Fractional Edge Lengths

What is the volume?

A rectangular prism has a length of $12\frac{1}{2}$ mm, a width of 10 mm, and a height of 4 mm.



Preview

Please log in to download the printable version of this worksheet.

Fill in the rectangular prism volume formula using improper fractions.

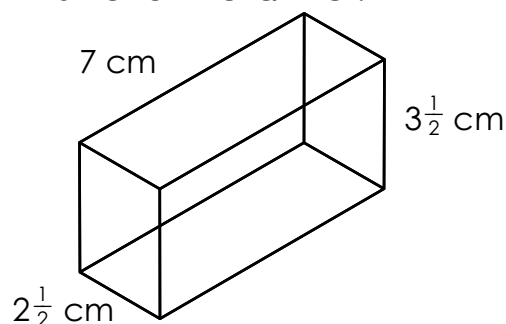
$$l = 1\frac{1}{5} \text{ km}$$

$$w = \frac{3}{5} \text{ km}$$

$$h = 1\frac{1}{5} \text{ km}$$

Remember to include the units in your answer.

How many $\frac{1}{2}$ -cm cubes fit in the prism? What is the prism's total volume?

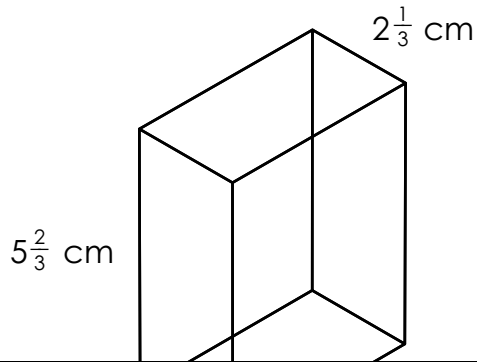


Remember to include the units in your answer.

9.

Rectangular Prisms with Fractional Edge Lengths

How many $\frac{1}{3}$ -cm cubes fit in the prism?



10.

Rectangular Prisms with Fractional Edge Lengths

What is the volume?

A rectangular prism has a length of $1\frac{1}{2}$ km, a width of 1 km, and a height of $\frac{1}{4}$ km.



Preview

Please log in to download the printable version of this worksheet.

Fill in the rectangular prism volume formula using improper fractions.

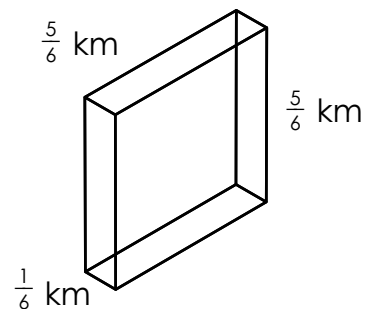
$$l = 9 \text{ mm}$$

$$w = 7\frac{1}{2} \text{ mm}$$

$$h = 10 \text{ mm}$$

Remember to include the units in your answer.

How many $\frac{1}{6}$ -km cubes fit in the prism? What is the prism's total volume?

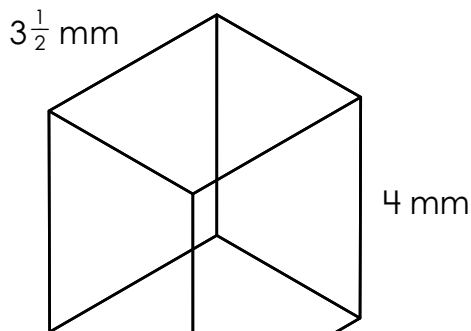


Remember to include the units in your answer.

13.

Rectangular Prisms with Fractional Edge Lengths

How many $\frac{1}{2}$ -mm cubes fit in the prism?



14.

Rectangular Prisms with Fractional Edge Lengths

What is the volume?

A rectangular prism has a length of 2 m, a width of $1\frac{2}{3}$ m, and a height of $\frac{2}{3}$ m.



Preview

Please log in to download the printable version of this worksheet.

Fill in the rectangular prism volume formula using improper fractions.

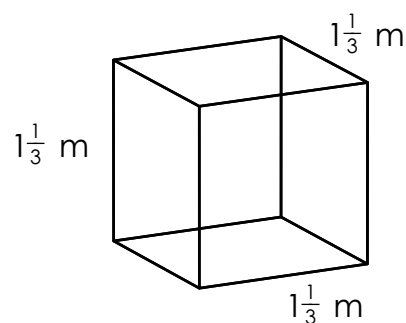
$$l = 4\frac{1}{2} \text{ cm}$$

$$w = 5\frac{1}{2} \text{ cm}$$

$$h = 6\frac{1}{2} \text{ cm}$$

Remember to include the units in your answer.

How many $\frac{1}{3}$ -m cubes fit in the prism? What is the prism's total volume?

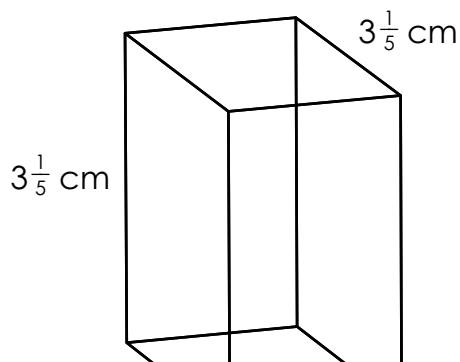


Remember to include the units in your answer.

17.

Rectangular Prisms with Fractional Edge Lengths

How many $\frac{1}{5}$ -cm cubes fit in the prism?



18.

Rectangular Prisms with Fractional Edge Lengths

What is the volume?

A rectangular prism has a length of $\frac{2}{3}$ m, a width of $\frac{2}{3}$ m, and a height of $\frac{2}{3}$ m.



Preview

Please log in to download the printable version of this worksheet.

Fill in the rectangular prism volume formula using improper fractions.

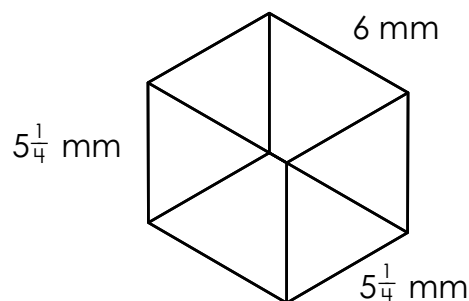
$$l = 2\frac{1}{5} \text{ m}$$

$$w = 1\frac{2}{5} \text{ m}$$

$$h = \frac{3}{5} \text{ m}$$

Remember to include the units in your answer.

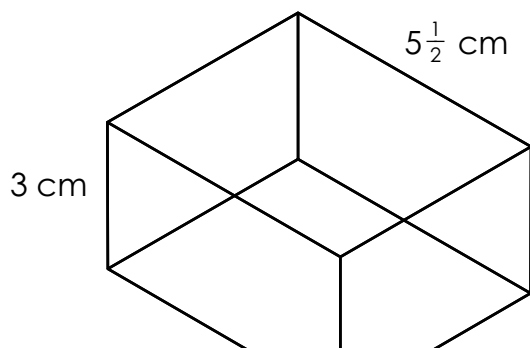
How many $\frac{1}{4}$ -mm cubes fit in the prism? What is the prism's total volume?



Remember to include the units in your answer.

21.**Rectangular Prisms
with Fractional
Edge Lengths**

How many $\frac{1}{2}$ -cm cubes fit
in the prism?

**22.****Rectangular Prisms
with Fractional
Edge Lengths**

What is the volume?

**A rectangular prism has
a length of $\frac{2}{5}$ km,
a width of $\frac{2}{5}$ km, and
a height of $\frac{1}{5}$ km.**



Preview

Please log in to download
the printable version of this worksheet.

Fill in the rectangular
prism volume formula
using improper fractions.

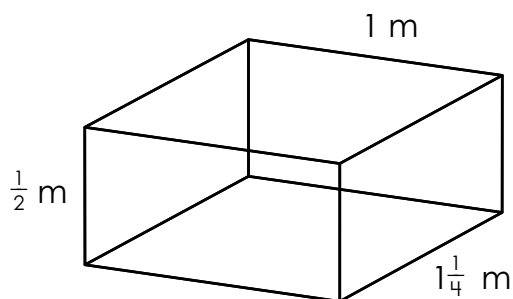
$$l = 2 \text{ cm}$$

$$w = 2\frac{1}{2} \text{ cm}$$

$$h = 1\frac{5}{6} \text{ cm}$$

Remember to include the units
in your answer.

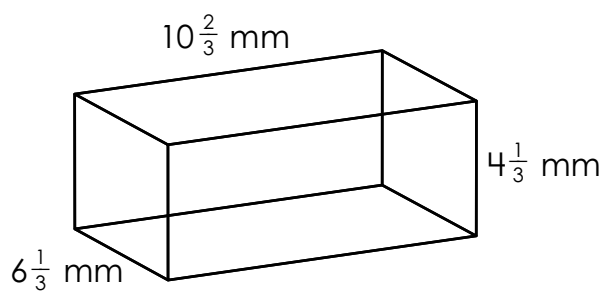
How many $\frac{1}{4}$ -m cubes fit
in the prism? What is the
prism's total volume?



Remember to include the units
in your answer.

25.**Rectangular Prisms
with Fractional
Edge Lengths**

How many $\frac{1}{3}$ -mm cubes fit
in the prism?

**26.****Rectangular Prisms
with Fractional
Edge Lengths**

What is the volume?

**A rectangular prism
has a length of 7 m,
a width of 5 m, and
a height of $6\frac{1}{2}$ m.**



Preview

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the printable version of this worksheet.

Fill in the rectangular
prism volume formula
using improper fractions.

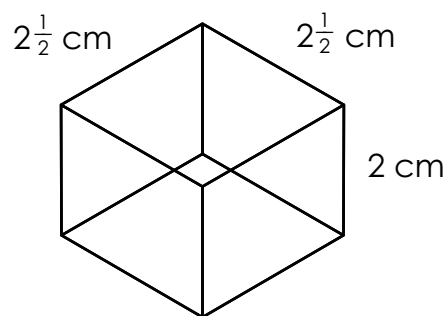
$$l = \frac{3}{4} \text{ m}$$

$$w = 2\frac{1}{2} \text{ m}$$

$$h = 2\frac{1}{4} \text{ m}$$

Remember to include the units
in your answer.

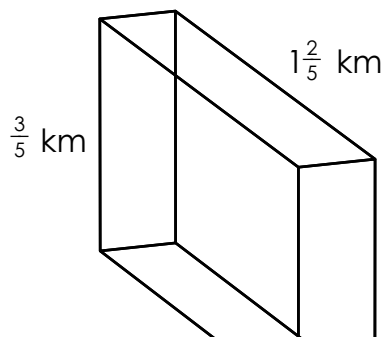
How many $\frac{1}{2}$ -cm cubes fit
in the prism? What is the
prism's total volume?



Remember to include the units
in your answer.

29. Rectangular Prisms
with Fractional
Edge Lengths

How many $\frac{1}{5}$ -km cubes fit
in the prism?



30. Rectangular Prisms
with Fractional
Edge Lengths

What is the volume?

**A rectangular prism has
a length of $12\frac{1}{2}$ mm,
a width of 10 mm, and
a height of $8\frac{1}{2}$.**



Preview

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the printable version of this worksheet.

Name: _____

Task Cards: Rectangular Prisms with Fractional Edge Lengths

Note: Simplify the volumes when possible.

1. _____ $\frac{1}{2}$ -m cubes

2. _____

3. _____ \times _____ \times _____ = _____

4. _____ $\frac{1}{5}$ -cm cubes $v =$ _____



Preview

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the printable version of this worksheet.

9. _____ $\frac{1}{3}$ -cm cubes

10. _____

11. _____ \times _____ \times _____ = _____

12. _____ $\frac{1}{6}$ -km cubes $v =$ _____

13. _____ $\frac{1}{2}$ -mm cubes

14. _____

15. _____ \times _____ \times _____ = _____

Name: _____

Task Cards: Rectangular Prisms with Fractional Edge Lengths

16. _____ $\frac{1}{3}$ -m cubes $v =$ _____

17. _____ $\frac{1}{5}$ -cm cubes

18. _____

19. _____ \times _____ \times _____ $=$ _____



Preview

Please log in to download
the printable version of this worksheet.

24. _____ $\frac{1}{2}$ -m cubes $v =$ _____

25. _____ $\frac{1}{3}$ -mm cubes

26. _____

27. _____ \times _____ \times _____ $=$ _____

28. _____ $\frac{1}{2}$ -cm cubes $v =$ _____

29. _____ $\frac{1}{5}$ -km cubes

30. _____

ANSWER KEY

Task Cards: Rectangular Prisms with Fractional Edge Lengths

Note: Simplify the volumes when possible.

1. 210 $\frac{1}{2}$ -m cubes

2. $\frac{189}{64} \text{ m}^3$ or $2\frac{61}{64} \text{ m}^3$



13. 336 $\frac{1}{2}$ -mm cubes

14. $\frac{20}{9} \text{ m}^3$ or $2\frac{2}{9} \text{ m}^3$

15. $\frac{9}{2} \times \frac{11}{2} \times \frac{13}{2} = \frac{1,287}{2} \text{ cm}^3$ or $643\frac{1}{2} \text{ cm}^3$

ANSWER KEY

Task Cards: Rectangular Prisms with Fractional Edge Lengths

16. 64 $\frac{1}{3}$ -m cubes $v = \frac{64}{27} \text{ m}^3$

17. 2,304 $\frac{1}{5}$ -cm cubes



28. 100 $\frac{1}{2}$ -cm cubes $v = \frac{100}{8} \text{ cm}^3$

29. 21 $\frac{1}{5}$ -km cubes

30. $\frac{2,125}{2} \text{ mm}^3$ or $1,062\frac{1}{2} \text{ mm}^3$