



**THIRD SPACE
LEARNING**

Exit Tickets

Domain: Measurement and Data

5th grade

Exit Tickets

Name:

Directions: Solve each word problem involving measurement conversions.

Standard

5.MD.1

Focus: Solve multi-step, real world problems involving measurement conversions

1. Jonah has 8 feet of fencing. How many inches of fencing does he have?
2. Leo packed a box to take to the post office for shipping. The box weighs 198 ounces. What is the box's weight in pounds and ounces?
3. Maria drinks 1.89 liters of orange juice each week. How many milliliters of orange juice does she drink each week?



Name:

Directions: Create a line plot to represent the set of data. Label your number line and include a title, then answer the question.

Standard

5.MD.2

Focus: Make a line plot to display a data set of measurements in fractions of a unit.

Bailey has 15 jars, each containing a different amount of liquid. The amount of liquid in each jar is shown below in quarts.

$1\frac{1}{2}$ $2\frac{3}{4}$ $3\frac{1}{4}$ 2 $2\frac{1}{2}$ $1\frac{1}{2}$ $2\frac{1}{2}$ $2\frac{1}{2}$
 $3\frac{1}{2}$ $3\frac{1}{4}$ 3 $1\frac{3}{4}$ $2\frac{3}{4}$ $3\frac{1}{4}$ $2\frac{1}{2}$ 3



1. Bailey wants to pour the liquid from all 16 jars into a 10-gallon jar. Will the 10-gallon jar be big enough to hold all of the liquid? Why or why not?



Exit Tickets

Name:

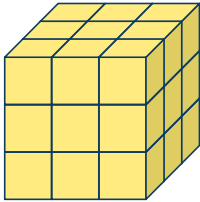
Directions: Each figure below is made up of unit cubes. Find the volume of each figure.

Standard

5.MD.3, 5.MD.4

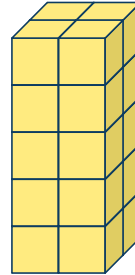
Focus: Understand volume; Measure volumes by counting unit cubes

a.



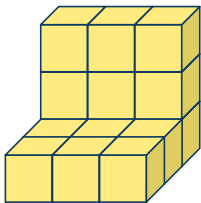
_____ cubic units

b.



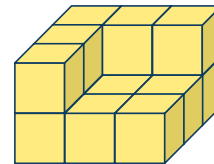
_____ cubic units

c.



_____ cubic units

d.



_____ cubic units

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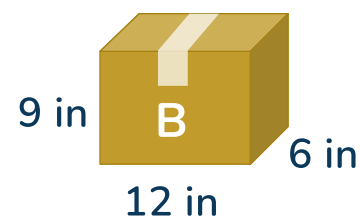
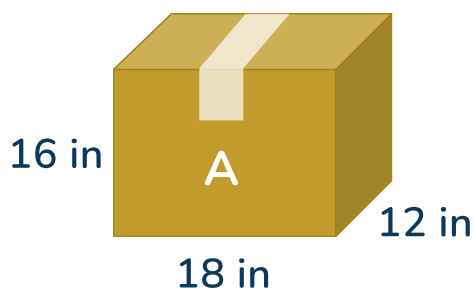
Name:

Question: Stan has two boxes, shown below.
How much greater is the volume of box A than box B?

Standard

5.MD.5

Focus: Solve problems involving volume



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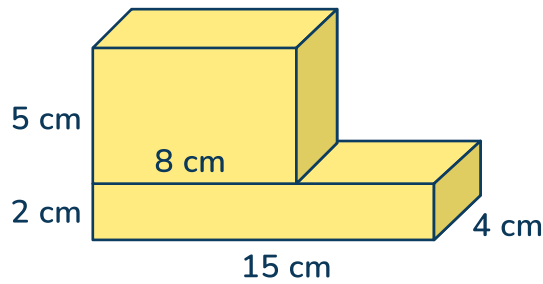
Name:

Directions: Find the total volume of the figure.

Standard

5.MD.5c

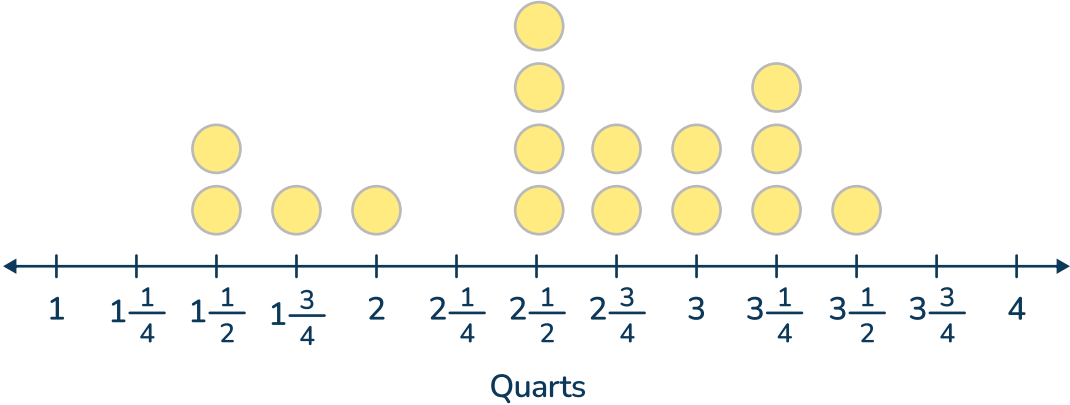
Focus: Find the volume of a figure made of two non-overlapping rectangular prisms



$V = \underline{\hspace{2cm}} \text{ cm}^3$






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| Standard | Answer(s) |
|-------------------|---|
| 5.MD.1 | <div>1. Jonah has 96 feet of fencing.</div> <div>2. The box weighs 12 pounds and 6 ounces.</div> <div>3. Maria drinks 1,890 milliliters of orange juice each week.</div> |
| 5.MD.2 | <div>Liquid in Bailey's Jars</div> <div></div> <div>1. No, a 10-gallon jar will not be big enough because the total of the liquid in the 15 jars is 41 $\frac{1}{2}$ quarts, which equals more than 10 gallons.</div> <div>(4 quarts = 1 gallon; $41\frac{1}{2} \div 4 = 10.375$ or $10\frac{3}{8}$ gallons)</div> |
| 5.MD.3, 5.MD.4 | <div>a. 27 cubic units</div> <div>b. 20 cubic units</div> <div>c. 15 cubic units</div> <div>d. 14 cubic units</div> |
| 5.MD.5 | <div>Volume of box A = 3,456 in³</div> <div>Volume of box B = 648 in³</div> <div>The volume of box A is 2,808 in³ greater than the volume of box B.</div> |
| 5.MD.6 | <div>V = 280 cm³</div> |

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Michelle Craig, Instructional Coach,
Sherwood Forest Elementary, Washington

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