

Create 3 small ships (2 spaces) and 2 large ships (3 spaces) either up and down or left to right. If your opponent says a location and the correct answer, tell them they are correct and if it is a hit or miss, then cross off the space. If they are incorrect, tell them it is incorrect and don't tell them if it's a hit or miss, and don't cross off the space.

	A	B	C	D	E
1	3	-10	4	-8	-4
2	-20	9	-1.5 or -1 1/2	8	2
3	-10	-2	-5	-8	-3
4	32	5	12	2	-1.6 Or -1 3/5
5	14	2	5	-3	9

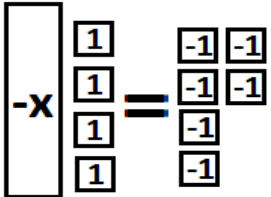
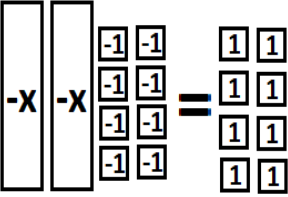
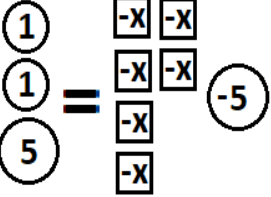
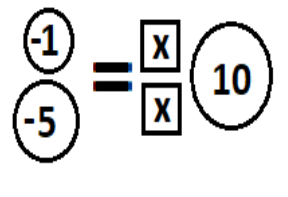
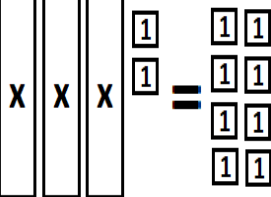
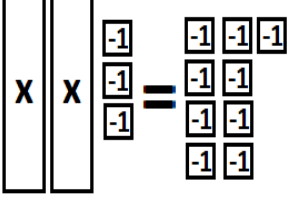
Pick a space to attack (such as A1). Solve for the variable. Tell your opponent the location and your answer. If you are correct and it is a hit, put a check mark on the space. If you are correct and it is a miss, put an X on the space. If you are incorrect, circle the space and try again later.

	A	B	C	D	E
1	$-9 = -2y - 1$		$4x + 3 = 19$		$-3x + 6 = 24$
2	$6n - 4 = 29$	$4y - 6 = -18$	$-0.6x - 3.2 = 1.6$	$10 = 3x - 5$	$\frac{1}{2}x - 12 = 9$
3	$8 - 3x = -13$		$3x + 5 = 2$		$-x + 4 = 1$
4	$1.5x + 12.8 = -2.2$	$-25 = -4 + 3x$	$\frac{2}{3}x + 4 = 24$	$10 = 4 - 2x$	$-18 = 5n + 3$
5	$6y - 12 = 24$		$22 = -3y + 7$		$2x - 3 = 1$

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	A	B	C	D	E
1	4	2	4	-2	-6
2	5.5 or 5 1/2	-3	-8	5	42
3	7	-4	-1	7	3
4	-10	-7	30	-3	-4.2 or -4 1/5
5	6	3	-5	4	2

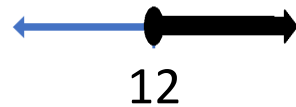
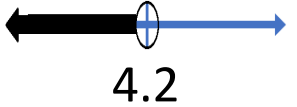

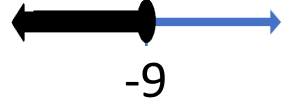
Pick a space to attack (such as A1). Solve for the variable. Tell your opponent the location and your answer. If you are correct and it is a hit, put a check mark on the space. If you are correct and it is a miss, put an X on the space. If you are incorrect, circle the space and try again later.

	A	B	C	D	E
1	$7x + 9 = 30$		$-6n + 11 = -13$		$14 - 20x = 94$
2	$\frac{1}{4}n + 17 = 12$	$5x - 9 = 36$	$4n - 8 = -14$	$19 = 3r - 5$	$-1.8r + 9.2 = 5.6$
3	$-3y - 8 = 22$		$-18 = 3y - 3$		$8x + 14 = -10$
4	$0.2x - 4.1 = 2.3$	$-2q + 18 = 8$	$\frac{3}{4}x - 2 = 7$	$6 - 3x = 0$	$5x + 10 = 2$
5	$36 = 8 + 2p$		$12x - 18 = 42$		$44 = 4y + 8$

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	A	B	C	D	E
1	$x \geq 2$	$x > 9$	$n \geq -3$	$n \geq -7$	$s > -2$
2	$q \leq 6$	$x < 14$	$h > 39$	$x > -1.5$	$n < 8$
3	$y \leq 7$	$n \geq -18$	$r < 3$	$p \leq 5$	$x \leq 17$
4	$y < 6$	$x \geq -6$	$x \geq -11$	$x \leq 28$	$x \leq 30$
5	$n > -3$	$n < 16$	$x < -5$	$y > -6$	$p > 7$


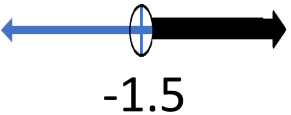


Pick a space to attack (such as A1). Solve the inequality using the given variable (make sure the letter is on the LEFT). For the number lines, write the inequality using x. Tell your opponent the location and your answer. If you are correct and it is a hit, put a check mark on the space. If you are correct and it is a miss, put an X on the space. If you are incorrect, don't mark the space and try again later.

	A	B	C	D	E
1	$4x - 7 > 21$	$-5x + 20 \leq -30$	$15 + 5y \geq -20$	$13 > 2x - 7$	$12p - 6 \leq 42$
2	$\frac{1}{2}x + 3 < 17$	 12	$0.5h + 2.7 \leq -4.8$	 4.2	$1\frac{1}{6}y + 8 \leq 22$
3	$3n + 6 \leq 18$	$19 \geq -4x - 1$	$2x - 7 \geq 13$	$-13 > -2p + 13$	$12 + 3s < 39$
4	$2.7r - 30 \geq 51$	 -5	$\frac{3}{4}n - 9 \geq 24$	 -9	$1.2n - 11 > -35$
5	$-8 + 7r > -50$	$-22 < 4y - 6$	$4q - 10 < 30$	$-7r + 21 \geq 7$	$2i - (-8) \geq 8$

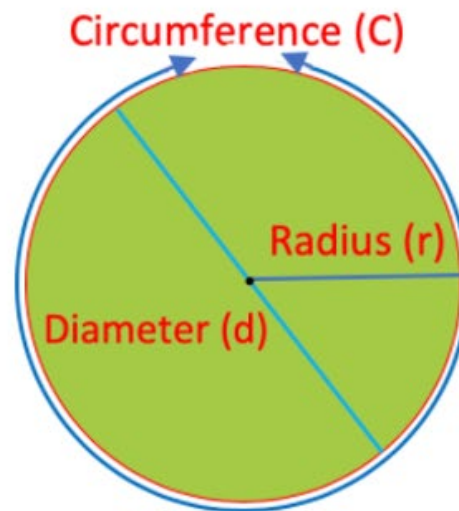
Create 3 small ships (2 spaces) and 2 large ships (3 spaces) either up and down or left to right. If your opponent says a location and the correct answer, tell them they are correct and if it is a hit or miss, then cross off the space. If they are incorrect, tell them it is incorrect and don't tell them if it's a hit or miss, and don't cross off the space.

	A	B	C	D	E
1	$x > 7$	$x \geq 10$	$y \geq -7$	$x < 10$	$p \leq 4$
2	$x < 28$	$x \geq 12$	$h \leq -15$	$x < 4.2$	$y \leq 12$
3	$n \leq 4$	$x \geq -5$	$x \geq 10$	$p > 13$	$s < 9$
4	$r \geq 30$	$x > -5$	$n \geq 44$	$x \leq -9$	$n > -20$
5	$r > -6$	$y > -4$	$q < 10$	$r \leq 2$	$i \geq 0$

Pick a space to attack (such as A1). Solve the inequality using the given variable (make sure the letter is on the LEFT). For the number lines, write the inequality using x. Tell your opponent the location and your answer. If you are correct and it is a hit, put a check mark on the space. If you are correct and it is a miss, put an X on the space. If you are incorrect, don't mark the space and try again later.

	A	B	C	D	E
1	$5x + 10 \geq 20$	$23 < 3x - 4$	$8n - 12 \geq -36$	$-5n - 10 \leq 25$	$12s - 6 > -30$
2	$1.5q - 8 \leq 1$	 14	$\frac{1}{3}h - 11 > 2$	 -1.5	$0.25n + 4 < 6$
3	$4y - 15 \leq 13$	$37 \geq -2n + 1$	$6r + 30 < 48$	$-12 \leq -6p + 18$	$2x + 13 \leq 47$
4	$2\frac{1}{2}y + 3 < 18$	 -6	$0.7x + 6 \geq -1.7$	 28	$\frac{3}{5}x + 14 \leq 32$
5	$10n + 5 > -25$	$-2n + 7 > -25$	$9x + 18 < -27$	$-15 < 5y + 15$	$7p - 4 > 45$

Circumference, Diameter, Radius



Find the missing circumference, diameter, or radius of these food items.

Use the two formulas $C = 2\pi r$ and $C = \pi d$ (use 3.14 for π)



Equation _____

Circumference _____

Diameter _____

Radius _____



Equation _____

Circumference _____

Diameter _____

Radius _____

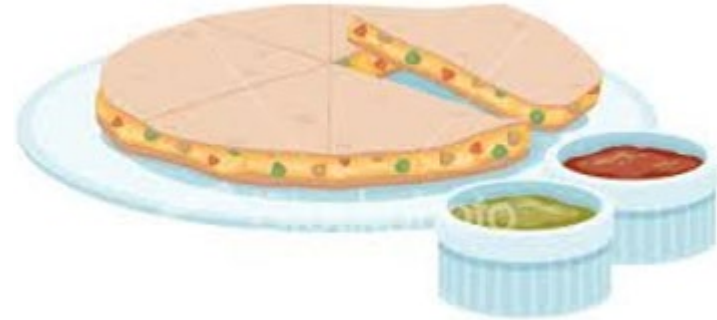


Equation _____

Circumference _____

Diameter _____

Radius _____



Equation _____

Circumference _____

Diameter _____

Radius _____

Answer Key



Equation

Circumference

Diameter

Radius



Equation

Circumference

Diameter

Radius



Equation

$$C = \pi d \text{ or } C = 2\pi r$$

Circumference

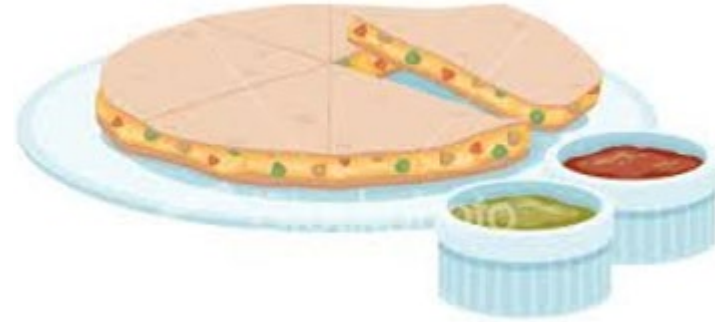
36 inches

Diameter

11.46 inches

Radius

5.73 inches



Equation

$$C = 2\pi r$$

Circumference

62.8 inches

Diameter

20 inches

Radius

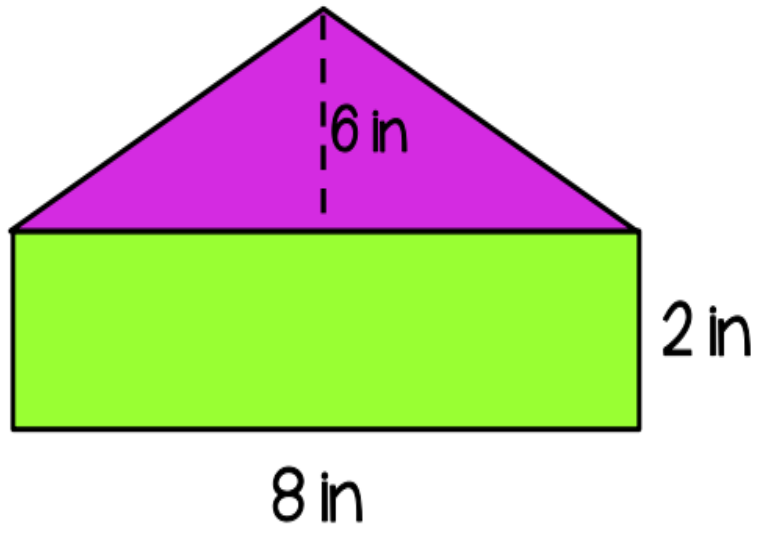
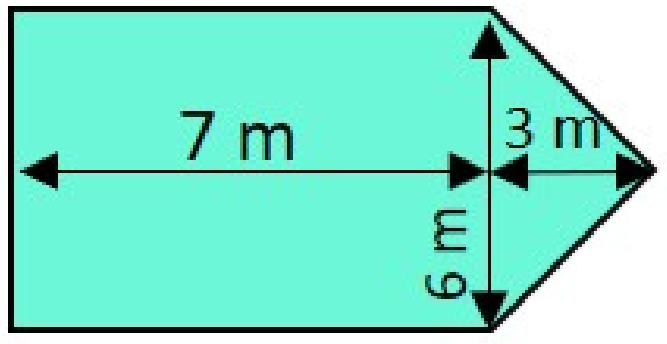
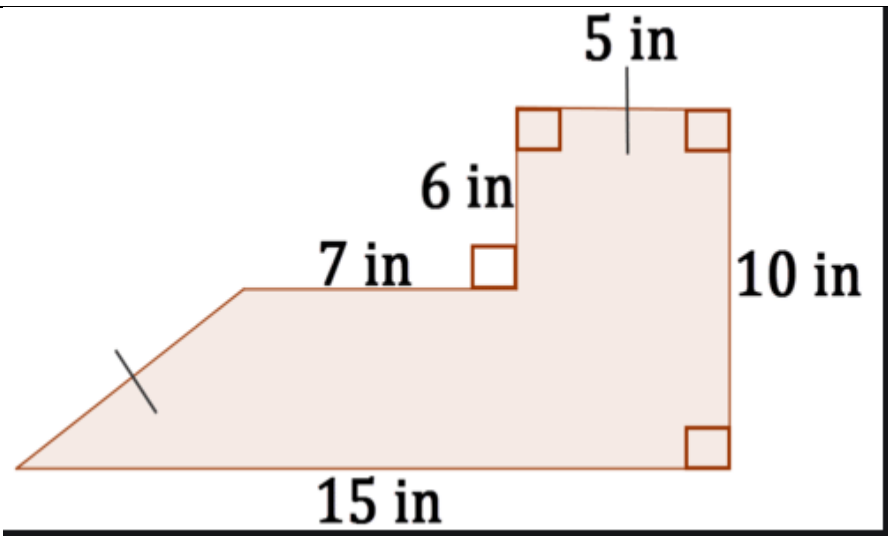
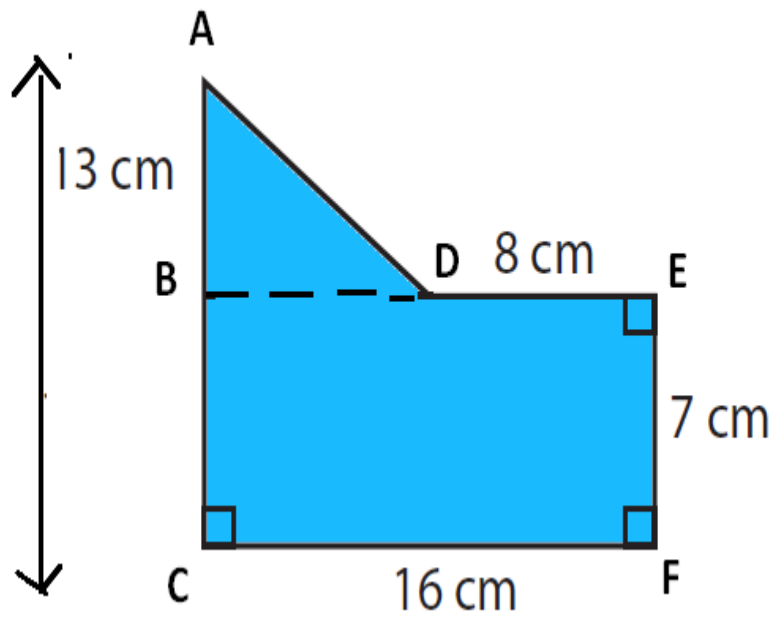
10 inches

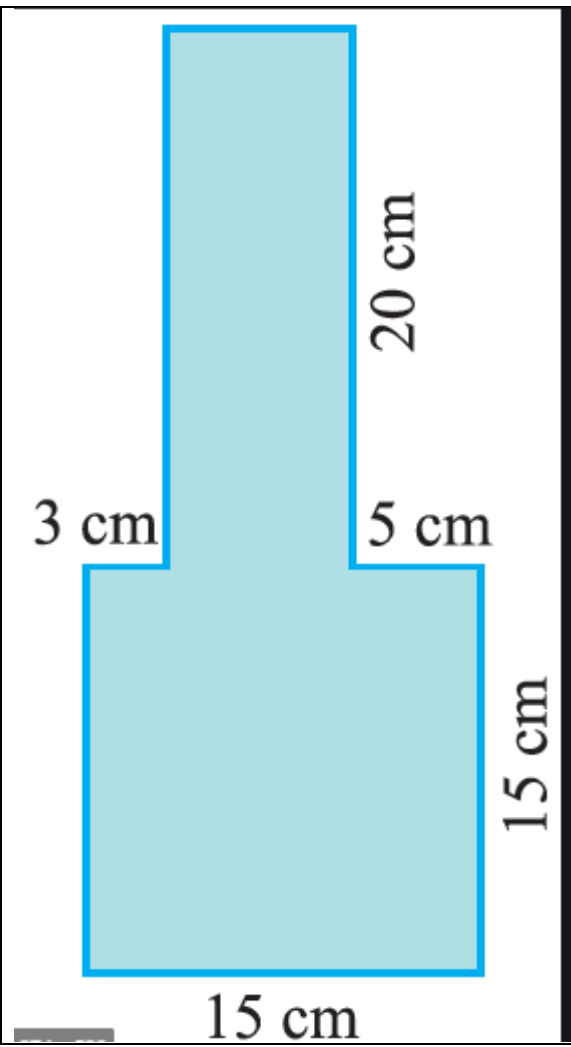
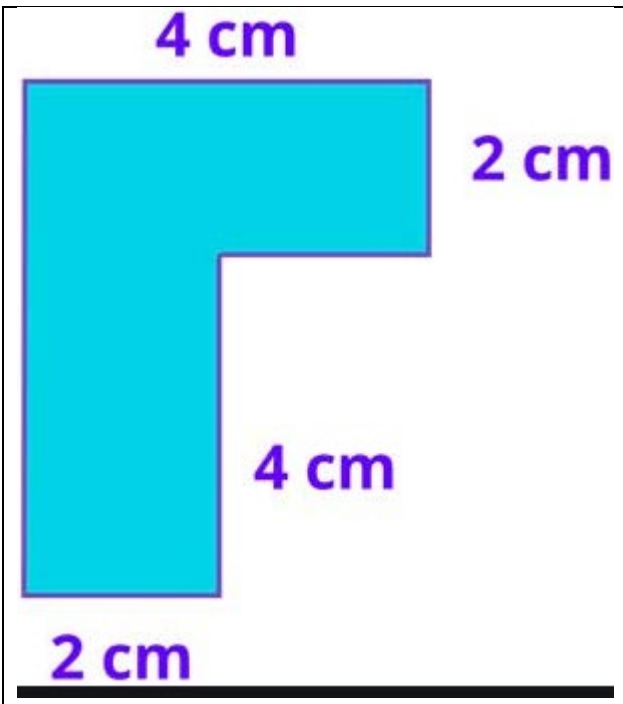
Area of Composite Figures

Match the area of each composite figure to the answer bank below

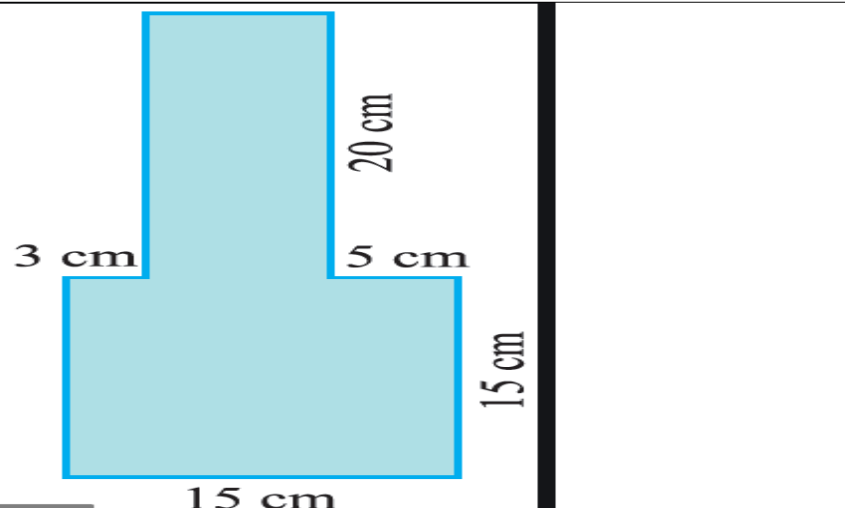
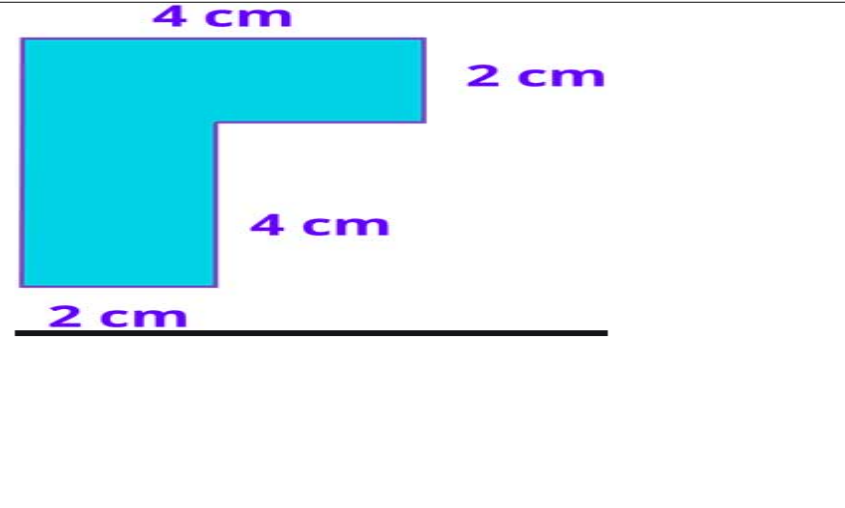
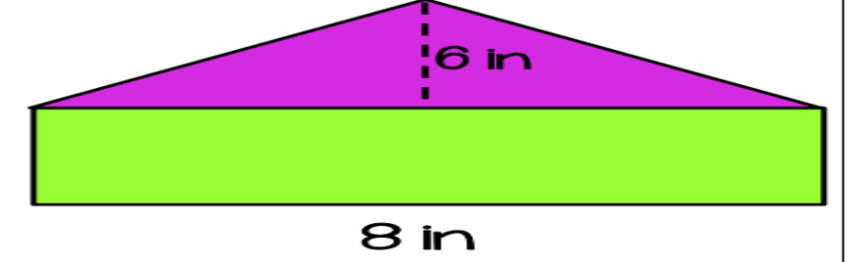
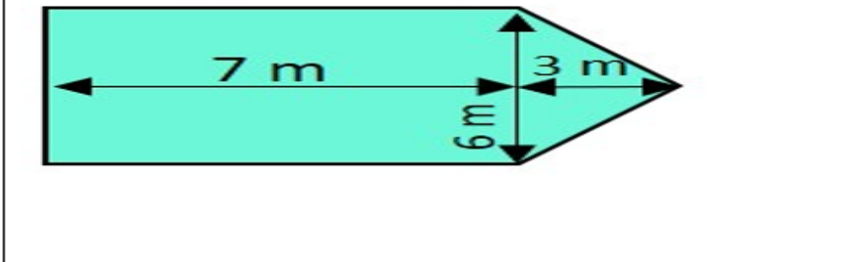
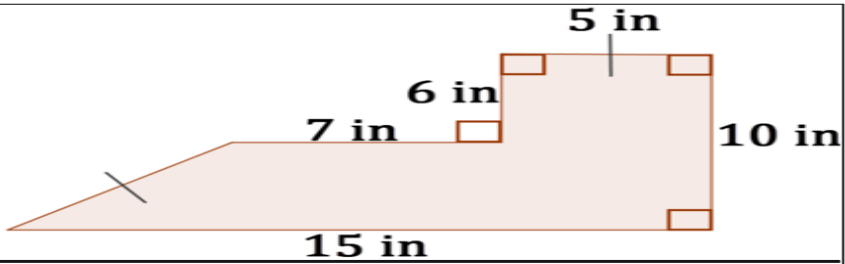
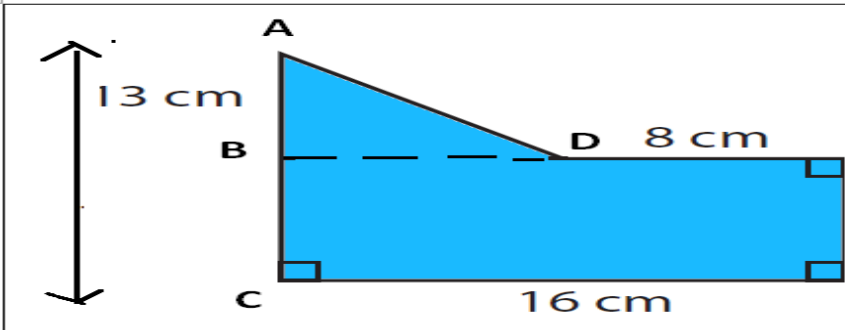
Answer Bank

84	40	16	136	365	51
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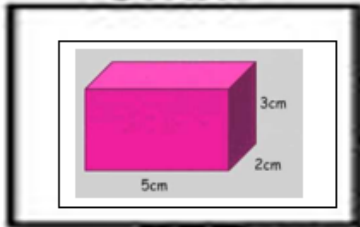
Answer Key



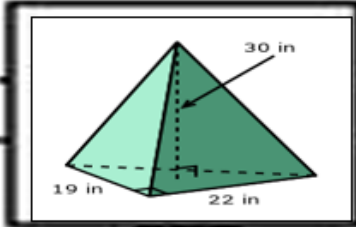
Directions

Start on the first figure. Solve the volume for it. Once you found the correct volume you will follow it to the next figure and solve the volume for that shape. If you end up doing it correctly it will take you directly to the winner box.

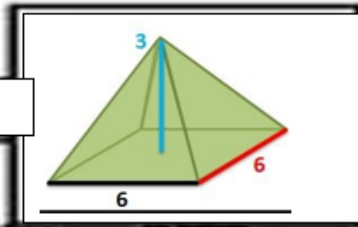
START



30



12,540

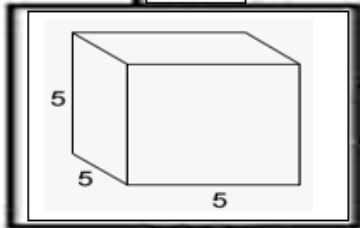


108

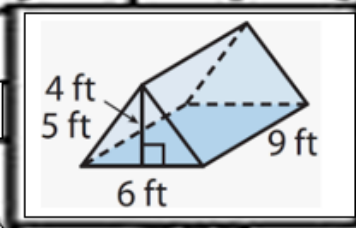
20

2,090

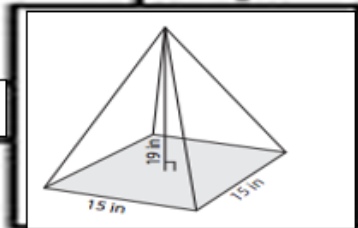
110



108



490

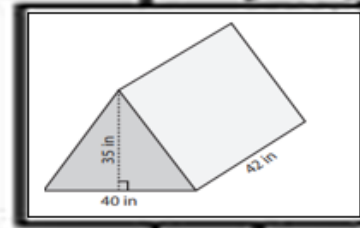


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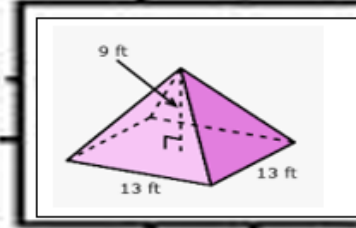
125

216

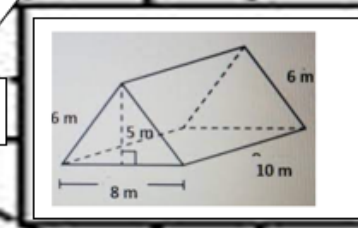
300



3,000



507

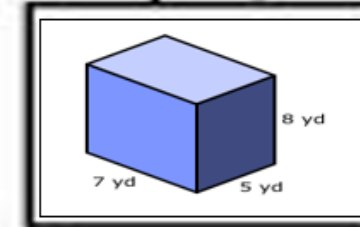


200

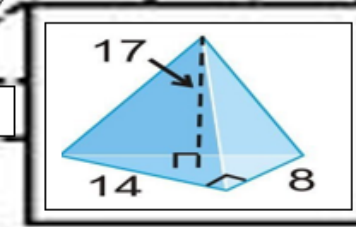
2,900

$760\frac{1}{2}$

120



280



$317\frac{1}{3}$



END

10

1,080

29,400

Answer Key

