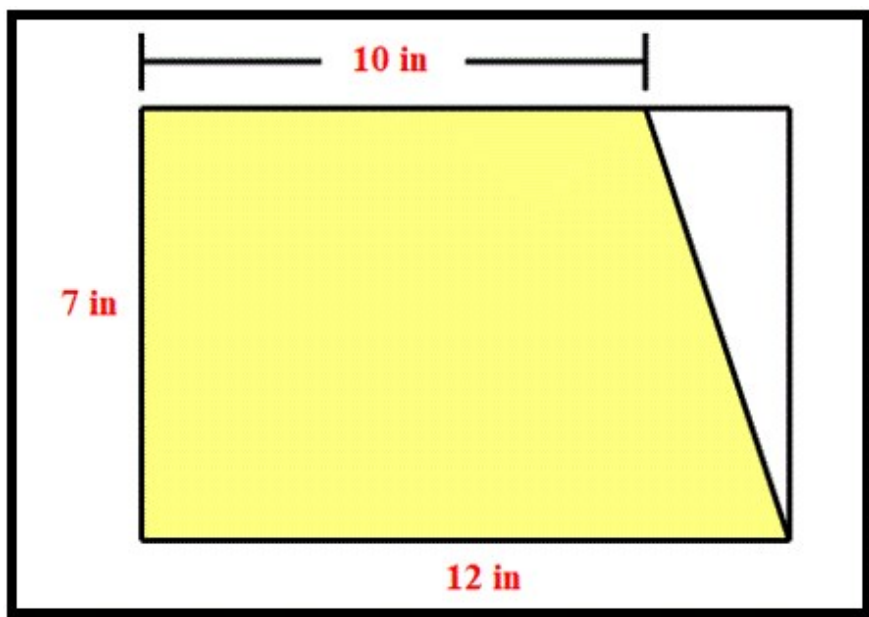
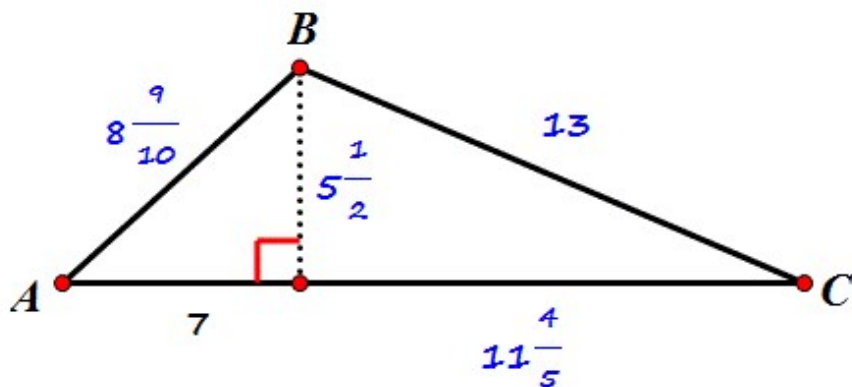


1. What is the area, in square inches, of the shaded part of the rectangle shown below?



- 1. 38 square inches
- 2. 77 square inches
- 3. 84 square inches
- 4. 91 square inches

2. Which student(s) calculated the area of $\triangle ABC$ correctly?



Carmine

$$\begin{aligned} \text{Area of } \triangle ABC &= \frac{1}{2}(b)(h) \\ &= \frac{1}{2}\left(18\frac{4}{5}\right)\left(5\frac{1}{2}\right) \\ &= 51\frac{7}{10} \text{ units}^2 \end{aligned}$$

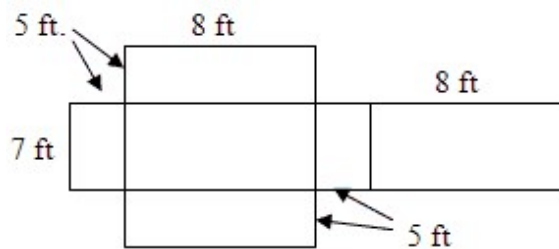
Lila

$\begin{aligned} \text{Area of } \triangle ABD &= \frac{1}{2}(b)(h) \\ &= \frac{1}{2}(7)\left(5\frac{1}{2}\right) \\ &= 19\frac{1}{4} \text{ units}^2 \end{aligned}$	$\begin{aligned} \text{Area of } \triangle BCD &= \frac{1}{2}(b)(h) \\ &= \frac{1}{2}\left(11\frac{4}{5}\right)\left(5\frac{1}{2}\right) \\ &= 32\frac{9}{20} \text{ units}^2 \end{aligned}$
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$$\begin{aligned} \text{Area of } \triangle ABC &= \text{Area of } \triangle ABD + \text{Area of } \triangle BCD \\ &= 19\frac{1}{4} \text{ units}^2 + 32\frac{9}{20} \text{ units}^2 \\ &= 51\frac{7}{10} \text{ units}^2 \end{aligned}$$

1. Both 2. Neither
3. Carmine, only 4. Lily, only

3. Find the surface area of the prism formed by the net.



1. 262 ft² 2. 280 ft²
3. 192 ft² 4. 182 ft²

4. What is the greatest common factor of 36 and 72?

Answer:

5. The GCF of 45 and 63 is:

1. 5
2. 14
3. 9
4. 18

6. Two whole numbers have a least common multiple of 48.

- Both numbers are greater than 3.
- The greatest common factor of the two numbers is 2.

What are the two numbers?

1. 3 and 16
2. 6 and 8
3. 4 and 6
4. 6 and 16

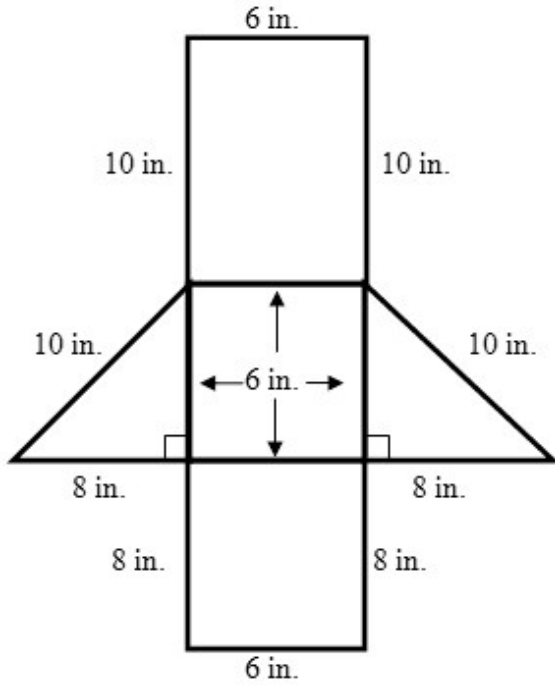
7. What is the least common multiple of 16 and 10?

Answer:

8. What is the greatest common factor of 16, 24 and 36?

Answer:

9. Find the surface area of the net.



1. 188 in.^2
2. 192 in.^2
3. 224 in.^2
4. 240 in.^2