

6th Grade  
May 10, 2021

Today we will:

- Do some more examples together on composite figures
- Work on classwork

HOMEWORK:

Complete WS

ALEKS time and topics  
due TONIGHT at 11:59PM

Start studying for test on  
WEDNESDAY  
(no binder check)



Name \_\_\_\_\_

Skills WS, Ch9 Lesson 6, May 10

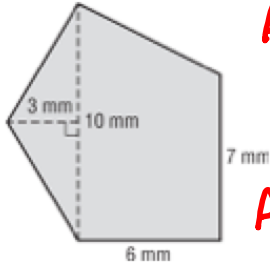
### Lesson 6 Skills Practice

On #2 and #4, you have to find the length of one of the sides by adding up pieces that are given.

#### Area of Composite Figures

Find the area of each figure. Round to the nearest tenth if necessary.

1.



$$A_{\triangle} = b \times h \div 2$$

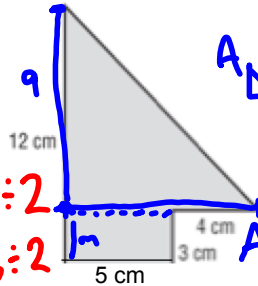
$$= 3 \times 10 \div 2$$

$$= 15 \text{ mm}^2$$

$$A_{\square} = (b_1 + b_2) \times h \div 2$$

$$= (10 + 6) \times 7 \div 2$$

$$= 51 \text{ mm}^2$$



$$A_{\triangle} = b \times h \div 2$$

$$= 9 \times 9 \div 2$$

$$= 40.5 \text{ cm}^2$$

$$A_{\square} = l \times w$$

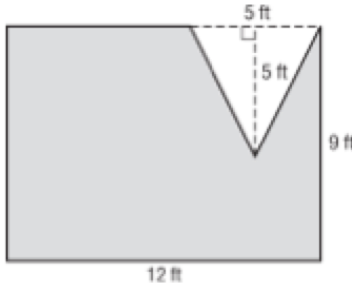
$$= 5 \times 3$$

$$= 15 \text{ cm}^2$$

$$A_{\text{total}} = A_{\triangle} + A_{\square} = 15 + 51 = 66 \text{ mm}^2$$

$$A_{\text{total}} = 40.5 + 15 = 55.5 \text{ cm}^2$$

3.



$$A_{\square} = l \times w$$

$$= 12 \times 9 = 108 \text{ ft}^2$$

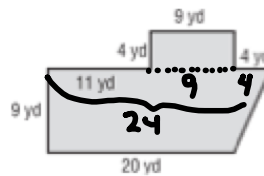
$$A_{\triangle} = b \times h \div 2$$

$$= 5 \times 5 \div 2 = 12.5 \text{ ft}^2$$

$$A_{\square} - A_{\triangle} = 108 - 12.5 \text{ ft}^2$$

$$= 95.5 \text{ ft}^2$$

4.



$$A_{\square} = l \times w = 9 \times 4 = 36 \text{ yd}^2$$

$$A_{\square} = (b_1 + b_2) \times h \div 2$$

$$= (20 + 24) \times 9 \div 2$$

$$= 198$$

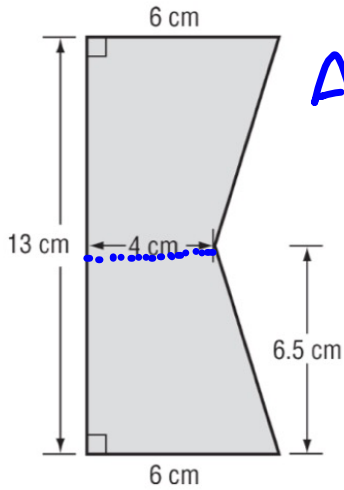
$$A_{\square} + A_{\square} = 36 + 198$$

$$= 234 \text{ yd}^2$$





Find the area of each figure. Round to the nearest tenth if necessary.



$$A_D = (b_1 + b_2) \times h \div 2$$

$$= (4 + 6) \times 6.5 \div 2$$

$$A_D =$$

$$A_{total} = \underline{\quad} + \underline{\quad}$$

