

5-15-18

Aim: SWBAT find the area of composed figures.

HW: **Final Review Packet due May 29**

Do Now: Check hw

Pg. 34 # 3-13 odd, 21-22

$$\textcircled{3} \quad P = 6 + 6 + 9 + 9$$

$$P = 30 \text{ yds}$$

$$A = bh$$

$$A = 9 \cdot 6$$

$$A = 54 \text{ yd}^2$$

$$\textcircled{5} \quad P = 5 + 5 + 5 + 5$$

$$P = 20 \text{ m}$$

$$A = bh$$

$$A = 5 \cdot 5$$

$$A = 25 \text{ m}^2$$

$$\textcircled{7} \quad \text{It should be } 15 \text{ m}^2 \leftarrow$$

$$\textcircled{9} \quad P = 4s$$

$$\frac{24 = 4s}{4} = \frac{4s}{4}$$

$$6 = s$$

$$\textcircled{11} \quad A = bh$$

$$A = 18 \cdot 18$$

$$A = 324 \text{ in}^2$$

$$\textcircled{13} \quad A = bh$$

$$\frac{88 = b \cdot 8}{8} = \frac{b \cdot 8}{8}$$

$$11 = b$$

$$\textcircled{21} \quad P = 6 + 3 + 6 + 9 + 12 + 12$$

$$P = 48 \text{ in.}$$

$$A = 6 \cdot 3 + 9 \cdot 12$$

$$A = 18 + 108$$

$$A = 126 \text{ in.}^2$$

$$\textcircled{22} \quad P = 10 + 10 + 10 + 3 + 4 + 4 + 4 + 3$$

$$P = 48 \text{ cm}$$

$$A = 10 \cdot 6 + 3 \cdot 4 + 3 \cdot 4$$

$$A = 60 + 12 + 12$$

$$A = 84 \text{ cm}^2$$

Pg. 145 # 3-11 odd

$$\textcircled{3} \quad P = 5 + 5 + 6$$

$$P = 16 \text{ cm}$$

$$A = \frac{bh}{2}$$

$$A = \frac{6 \cdot 4}{2}$$

$$A = 12 \text{ cm}^2$$

$$\textcircled{5} \quad P = 12 + 5 + 13$$

$$P = 30 \text{ ft}$$

$$A = \frac{bh}{2}$$

$$A = \frac{5 \cdot 12}{2}$$

$$A = \frac{60}{2}$$

$$A = 30 \text{ ft}^2$$

$$\textcircled{7} \quad A = bh$$

$$\frac{18 = 6x}{6} = \frac{6x}{6}$$

$$3 = x$$

$$\textcircled{9} \quad P = c + 23 + 17$$

$$60 = c + 40$$

$$-40 \quad -40$$


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$$20 = c$$

$$\textcircled{11} \quad A = 12 \cdot 12 + 18 \cdot 12 + 12 \cdot 12$$

$$A = 144 + 216 + 144$$

$$A = 504 \text{ in.}^2$$

Pg. 523 # 4-6, 15-17, 29, 31

$$\begin{aligned} \textcircled{4} \quad A &= bh \\ A &= 7 \cdot 5 \\ A &= 35 \text{ ft}^2 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad A &= bh \\ A &= 13 \cdot 10 \\ A &= 130 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad A &= bh \\ A &= 5 \cdot 14 \\ A &= 70 \text{ in.}^2 \end{aligned}$$

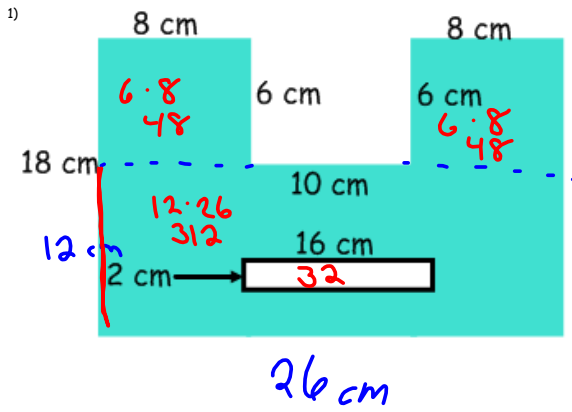
$$\begin{aligned} \textcircled{15} \quad A &= \frac{(b_1 + b_2)h}{2} \\ A &= \frac{(18 + 9)(12)}{2} \\ A &= \frac{27 \cdot 12}{2} \\ A &= \frac{324}{2} \\ A &= 162 \text{ in.}^2 \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad A &= \frac{(b_1 + b_2)h}{2} \\ A &= \frac{(5 + 10)(12)}{2} \\ A &= \frac{(15)(12)}{2} \\ A &= \frac{180}{2} \\ A &= 90 \text{ yd}^2 \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad A &= \frac{(b_1 + b_2)h}{2} \\ A &= \frac{(10 + 54)(15)}{2} \\ A &= \frac{64 \cdot 15}{2} \\ A &= \frac{960}{2} \\ A &= 480 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \textcircled{29} \quad A &= bh \\ \frac{84}{12} &= \frac{b \cdot 12}{12} \\ 7 \text{ cm} &= b \end{aligned}$$

$$\begin{aligned} \textcircled{31} \quad A &= \frac{(b_1 + b_2)h}{2} \\ 100 &= \frac{(10 + 15)h}{2} \\ 2 \cdot 100 &= \frac{25h}{2} \cdot 2 \\ \frac{200}{25} &= \frac{25h}{25} \\ 8 \text{ in.} &= h \end{aligned}$$



$A = bh$   
 $A = 6 \cdot 8$   
 $A = 48 \text{ cm}^2$

$A = bh$   
 $A = 6 \cdot 8$   
 $A = 48 \text{ cm}^2$

$A = bh$   
 $A = 12 \cdot 26$   
 $A = 312 \text{ cm}^2$

$A = bh$   
 $A = 2 \cdot 16$   
 $A = 32 \text{ cm}^2$

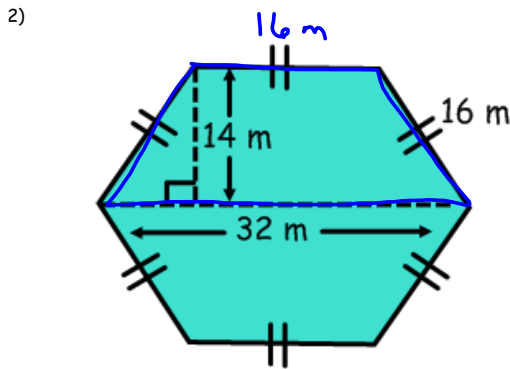
$48 + 48 + 312 - 32$   
 $376 \text{ cm}^2$

$A = bh$   
 $A = 26 \cdot 18$   
 $A = 468 \text{ cm}^2$

$A = bh$   
 $A = 10 \cdot 6$   
 $A = 60 \text{ cm}^2$

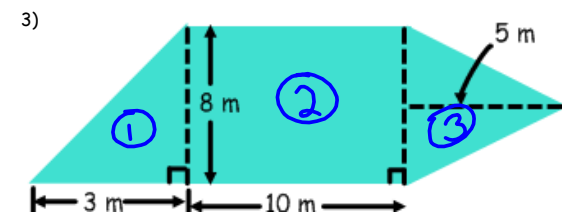
$A = bh$   
 $A = 16 \cdot 2$   
 $A = 32 \text{ cm}^2$

$468 - 60 - 32 = 376 \text{ cm}^2$



$A = \frac{(b_1 + b_2)h}{2}$   
 $A = \frac{(16 + 32) \cdot 14}{2}$   
 $A = \frac{48 \cdot 14}{2}$   
 $A = 336 \text{ m}^2$

$2 \cdot 336$   
 $672 \text{ m}^2$



①

$A = \frac{bh}{2}$   
 $A = \frac{3 \cdot 8}{2}$   
 $A = 12 \text{ m}^2$

②

$A = bh$   
 $A = 10 \cdot 8$   
 $A = 80 \text{ m}^2$

③

$A = \frac{bh}{2}$   
 $A = \frac{8 \cdot 5}{2}$   
 $A = 20 \text{ m}^2$

$12 + 80 + 20 = 112 \text{ m}^2$