

Unit 3 Review

① $4 \times (2^3 + 5)$
 $4 \times (8 + 5)$
 4×13
52

② $4x + 3^2, x=6$
 $4(6) + 3^2$
 $4(6) + 9$
 $24 + 9$
33

③ ten less than three times a number x is equal to 50
 SWITCH ORDER!!!
 $3x - 10 = 50$

④ $5(x+7)$
 $5x + 35$


⑤ $3(x-2)$
 $3x - 6$

⑥ $y(y-4)$
 $y^2 - 4y$

⑦ $16 - 24x$
 $8(2 - 3x)$

⑧ $8x - 12$
 $4(2x - 3)$

⑨ A rectangle is 12 inches long. Its width is represented by seven minus y feet. How can you show the area of the rectangle using the distributive property.



$12(7-y)$
 $84 - 12y$

10. $a - 24.7256 = 84.934$
 $+ 24.7256$
109.6596
 $a = 109.6596$

11. $b \div 2.3 = 6$
 $\cdot 2.3 \cdot 2.7$

$\overset{1}{2} \cdot 3$
 $\times 6$
13.8
 $b = 13.8$

Find P&A for Each Shape

(12)

8.2 yd

* Need
- formula
- substitution
- answer w/ units
for full credit

$P = 4s$
 $P = 4(8.2)$
 $P = 32.8 \text{ yd}$

$A = s^2$
 $A = (8.2)^2$
 $A = 67.24 \text{ yd}^2$

8.2
 $\times 4$
 $\hline 32.8$

8.2
 $\times 8.2$
 $\hline 164$
 $+ 6560$
 $\hline 67.24$

(13)

4.91 ft
 2.3 ft

$P = 2l + 2w$
 $P = 2(2.3 \text{ ft}) + 2(4.91 \text{ ft})$
 $P = 4.6 \text{ ft} + 9.82 \text{ ft}$
 $P = 14.42 \text{ ft}$

$A = lw$
 $A = (4.91 \text{ ft})(2.3 \text{ ft})$
 $A = 11.293 \text{ ft}^2$

4.91
 $\times 2.3$
 $\hline 1473$
 $+ 9820$
 $\hline 11.293$

4.91
 $\times 2.3$
 $\hline 14.72$
 $+ 9.82$
 $\hline 14.42$

14. Ryan is buying four five packs of Hershey Bars and is charged \$6.20. How much does each Hershey Bar cost?

4.5 = 20 bars in all

$$\begin{array}{r}
 31 \\
 20 \overline{) 6.20} \\
 \underline{-60} \\
 20 \\
 \underline{-20} \\
 0
 \end{array}$$

31¢

15. Bob bought 2.3 pounds of cookie dough bites, 1.2 pounds of brownie bites, and 3.884 pounds of Skittles. If each pound costs \$8.49, find the total cost.

$$\begin{array}{r}
 3.884 \\
 1.2 \\
 + 2.3 \\
 \hline
 7.384 \text{ lbs}
 \end{array}$$

$$\begin{array}{r}
 3.884 \\
 \times 8.49 \\
 \hline
 34956 \\
 31072 \\
 310720 \\
 \hline
 326916
 \end{array}$$

\$62.69

16. A car goes 65.24 miles per hour. If the car is driven for 15 mins, how far would it go?

$$0.25 \text{ hr}$$

$$\begin{array}{r}
 65.24 \\
 \times 0.25 \\
 \hline
 \text{ans}
 \end{array}$$

17. If a car has driven 48,625 miles and was used for 6.75 years. How many miles were driven each year?

Divide!!!