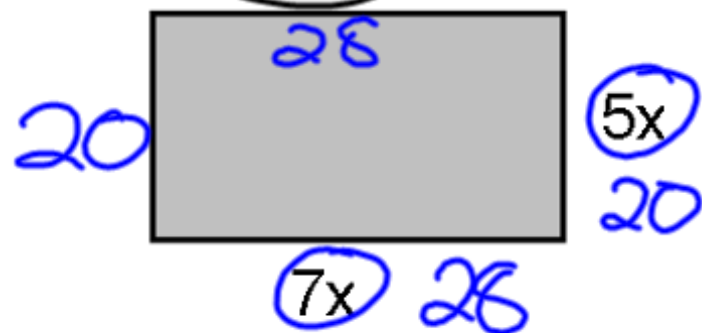


13. Find the perimeter of the rectangle if $x = 4$ feet. Show All Work.



$$\begin{aligned} P &= 28 + 20 + 28 + 20 \\ &= \underline{\underline{96 \text{ ft}}} \end{aligned}$$

$$24. \frac{(4^2-1)}{9 \cdot 5} = \frac{(16-1)}{9 \cdot 5} = \frac{15}{9 \cdot 5} = \frac{\cancel{15}^1}{\cancel{45}_3} = \frac{1}{3}$$

Evaluate the expression. Then simplify the answer if possible. Show All Work and each Step.

$$23. \frac{7 * 2^3}{6 + (2^5 - 10)} = \frac{7 \cdot 8}{6 + (32 - 10)} = \frac{56}{6 + (22)} = \frac{56}{28} = \frac{8}{4} = \frac{2}{1} = 2$$

what is the volume of the box?

Show all work, including a picture and labels.



$$\begin{aligned} V &= l \cdot w \cdot h \\ &= 22 \text{ in} \cdot 22 \text{ in} \cdot 20 \text{ in} \\ &= 9680 \text{ in}^3 \end{aligned}$$

evaluate the expression. Then simplify the answer if possible. Show All Work

10. $(2x)^3$ when $x = 4$

$$\begin{array}{r} (2(4))^3 \\ \hline (8)^3 = \underline{\underline{512}} \end{array}$$

Handwritten calculation showing the evaluation of $(2x)^3$ when $x = 4$. The expression is written as $(2(4))^3$ with a red underline under $2(4)$. Below this, $(8)^3$ is written with a red underline under 8 , followed by an equals sign and the result 512 , which is underlined twice. To the right, the calculation is shown as $2 \times 4 = 8$ and $8^3 = 512$.

9. $2x^3$ when $x = 4$

$$\begin{array}{r} 2(4)^3 \\ 2 \cdot 64 \\ \hline 128 \end{array}$$

15. $(a-b)^4$ when $\underline{a=10}$ and $\underline{b=6}$ $(\underline{10}-\underline{6})^4 = (\underline{4})^4 = \underline{\underline{256}}$

...

$$\begin{aligned}
 25. \quad \frac{7^3 + 1 - (11 \cdot 4)}{2(8^3 + 8 \cdot 11)} &= \frac{7^3 + 1 - (44)}{2(512 + 8 \cdot 11)} = \frac{343 + 1 - (44)}{2(512 + 88)} = \frac{344 - (44)}{2(600)} \\
 &= \frac{300}{1200} = \frac{31}{124} = \frac{1}{4}
 \end{aligned}$$

Check whether the given number is a solution of the equation or inequality.

29. The sum of 8 and a number x	
30. Ten less than a number x	$x-10$ $10-x$ $10 < x$
31. The quotient of x and 5	

33. Three is less than or equal to four minus a number x.	$3 \leq 4 - x$
34. The sum of three and x is ten.	$3 + x = 10$
35. Four is greater than six times a number t.	$4 > 6 \cdot t$

39. What is the **domain** and **range** of the following:



Input	20	30	40	50
Output	5	10	15	20

Domain:

$\{20, 30, 40, 50\}$

Range:

$\{5, 10, 15, 20\}$

Make an Input-Output Table for the function. Use 0, 1, 2, and 3 as the domain.

40. $y = 7x + 2$

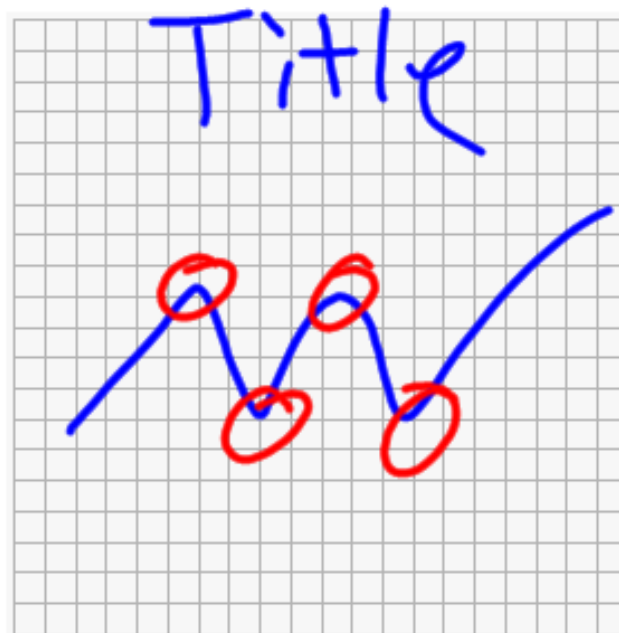
Input	Output
0	2
1	9
2	16
3	23

41. $y = 12 - 3x$

Input	Output
0	
1	
2	
3	

or a four month period. Make a line graph of the

June
\$1.15



Check whether the given number

26. $3x + 5 = 17$ for $x = 2$

$$\underline{3(2)} + 5 \stackrel{?}{=} 17$$

$$\text{False } \begin{array}{r} 6 + 5 \stackrel{?}{=} 17 \\ \hline 11 \neq 17 \end{array}$$

Write the verbal phrase or sentence

O.T.L.

① pg 64: C.R.Q.
1-4

- write the question
- write the Answers
- Do the work.

Box the Answers