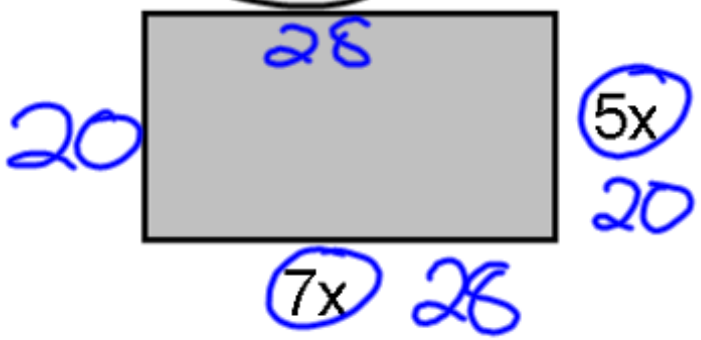
13. Find the perimeter of the rectangle if $x = 4$ feet. Show All Work.



$P = 28 + 20 + 28 + 20$

$= 96$ ft

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

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

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

What is the volume of the box?

Show all work, including a picture and labels.

$V = l \cdot w \cdot h$

$= 22\,in \cdot 22\,in \cdot 20\,in$

$= 9680\,in^3$

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

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

$(2(4))^3$

$(8)^3 = 512$

64
8
512

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

$2(4)^3$

$2 \cdot 64$

128

$4 \cdot 4 \cdot 4$

$16 \cdot 4$

64

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

25. $\frac{7^3+1-(11*4)}{2(8^3+8*11)} = \frac{7^3+1-(44)}{2(512+8\cdot 11)} = \frac{343+1-(44)}{2(512+88)} = \frac{344-(44)}{2(600)}$

$= \frac{300}{1200} = \frac{3}{12} = \frac{1}{4}$

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, 5, 20}

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

40. $y = 7x + 2$

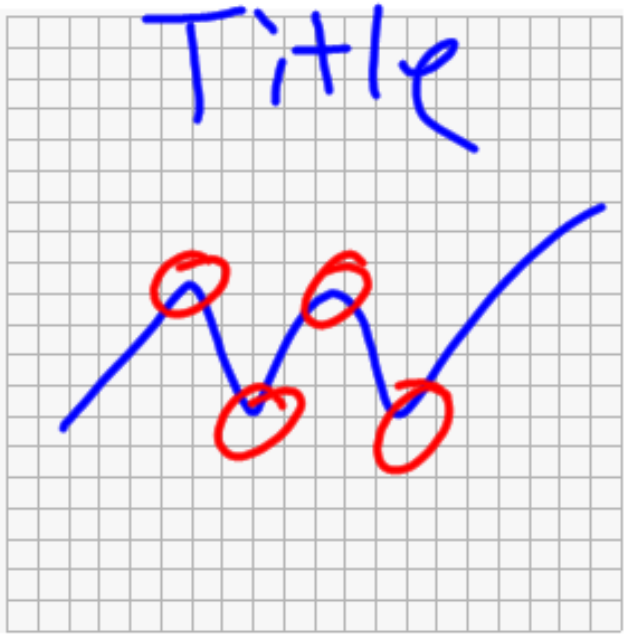
Input	Output
0	2
1	9
2	16
3	23

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 $x = 2$

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

$6 + 5 \stackrel{?}{=} 17$

$11 \neq 17$

False

Write the verbal phrase or sentenc

O.T.L.

① pg 64: C.R.Q.

1–4

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