2 1-3 The area of a square is $1 / 4$ unit ${ }^{2}$. Find the perimeter of the square.
1/10 $\quad 1-4 \quad$ Find the value of $\mathrm{x}: \frac{x}{7}+\frac{2 x}{7}+\frac{3 x}{7}+\frac{4 x}{7}=\frac{1}{7}$
$-17 / 601-5 \quad$ Simplify: $\quad 1-\frac{1}{2}-\frac{1}{3}-\frac{1}{4}-\frac{1}{5}=$
$35 \quad 2-1 \quad$ The sum of three consecutive odd integers is 99 . What is the value of the largest integer?
35/2
2-2 Triangle MNP is similar to triangle TNA. Find the length of AT.


16384 2-3 1, 2, 4, 8, 16,... For the pattern above, find the $15^{\text {th }}$ term.
$-2 \quad 2-4 \quad$ Find the value of $x y . \quad 3 x y+5 x y(2-4)=14$
$125 \% \quad 2-5$ If all the sides of a square are increased by $50 \%$, find the percent increase in the area of the square.
$4 \quad 3-1 \quad$ Find the digit $\boldsymbol{n}$ in the number that makes the number divisible by both 3 and 9 . 509,9n9
$66 \quad 3-2 \quad$ Find the sum of the three missing integers such that the difference between the consecutive integers is the same. 12, __, __ _ 32
4 3-3 For the inequality: $11<\mathrm{x}<29$ How many prime numbers could be solutions?
$16 \quad 3-4 \quad$ Find $\mathrm{x}: \quad \sqrt{100}-\sqrt{x}=\sqrt{36}$
5/12x $x^{3}$ 3-5 Simplify completely:

$$
\frac{x+2 x+3 x+4 x}{(x)(2 x)(3 x)(4 x)}
$$

9 4-1 Evaluate: $\frac{x^{2} y^{2}}{z^{2}} \quad$ using: $\quad x=2 \quad y=\frac{1}{2} \quad z=\frac{1}{3}$
$\$ 44 \quad 4-2 \quad$ The first 10 contestants won $\$ 50$ each. The next 15 contestants won $\$ 40$ each. What was the average winnings for all 25 contestants?
4-3 Find the sum of the three angles $x, y, z$.

$33 \quad 4-4 \quad 1 / 3 \%$ of x is 66 . Find $1 / 6 \%$ of x .
$1 / 6 \quad 4-5 \quad$ Half of the students in a math class are boys. One third of the students in a science class are boys. Find the fractional probability of randomly choosing 1 boy from each class.

