NAME:	PERIOD:	DATE:
FACTOR THE EXPRESSIONS.		
1. $49x - 35$	2. $12b + 40$	3. $6 + 30n$
$\neg(\neg x - S)$	4(36 + /०)	$\mathcal{L}(1+5n)$
APPLY THE DISTRIBUTIVE PROPER'	ГҮ	
4. 2(3–8y)	5. $-3(-9+8r)$	6. $-1(2t-8)$
6-164	27 - 24 r	-2++8
WHAT ARE THE FIRSTS 5 PERFECT	SQUARES?	Λ
7	$-\underline{\gamma}$	20
ESTMIATE $\sqrt{130}$		
8.	= 1/3-114 JI44 = 12	
ESTIMATE $\sqrt{27}$		
9. (25=5 fn== 2	51-53 36=6	
WRITE THE FRACTIONS BELOW AS	A DECIMAL.	
$10.\frac{3}{4}$ 075	11. $\frac{1}{3}$ $\overline{73}$	$12.\frac{5}{6}$
SOLVE FOR THE VARIABLE.		
13. $1.8 = -2.5m - 1.7$	$\mathfrak{P}_{4}\left(\frac{k+4}{9}\right) = (6) \mathfrak{P}_{4}$	15. $4x + 6 = x$
+ 7 + 7	K+4 = 54	$\frac{-3x}{6} = \frac{-3x}{2}$
-25 -25 m= -14	-4 -4 K = 50	-3 -3 x = -2
$16\left(\frac{45}{x}\right) = (9) \times$	17. $(0) - 15 - 42 = 8 - 2z - 15$	18. $2x - 3 > 5$
$\frac{45}{9} = \frac{9}{10}$	+12 $+12$	<u>2x > 8</u>
x = 5	415 +15	x > 4
	$\frac{\delta z}{8} = \frac{x}{8}$	
	2 = ا	23456



WRITE AN EQUATION/INEQUALITY FOR THE SITUATION GIVEN, THEN SOLVE

22. Chris's landscaping bill is \$380. The plants costs \$212, and the labor costs \$48 per hour. How many hours did the landscaper work?

> *380 - 212 + 48h - 212 - 212 168 = 48h 48 48

h=35hours

23. The cost of a family membership at a health club is \$58 per month plus a one-time startup fee of \$129. If a family has spent \$651, how many months is their membership?

$$58m + 129 = 651$$

-129 -129 $m = 9 months$
 $\frac{58m}{58} = \frac{522}{58}$

24. The vet says that Lena's puppy will grow to be at most 28 inches tall. Lena's puppy is currently 1 foot tall. How many more inches will the puppy grow?



25. The 45 members of the glee club are trying to raise \$6,000 so they can compete in the state championship. They already have \$1,240. What inequality can you write to find the amount each member must raise, on average, to meet the goal? 4

$$4,000 \le 1246 + 45 \times 2 = 10578$$

 $-1240 = 1246$
 $4766 \le 45 \times 10578$
 $45 = 45 \times 10578$
 $10578 \le 10578$