

Skills Sheet #7

Name: _____ Period: _____

Solve for y and then match the answer.

$2x + 4y = 12$

$2x - 4y = -16$

$4x - 6y = -24$

$3x - 6y = -18$

$5x + 15y = 45$

$4x + 6y - 30$

$6x - 4y = -24$

$3x - 4y = -24$

$3x + 4y = 24$

$5x + 15y = 30$

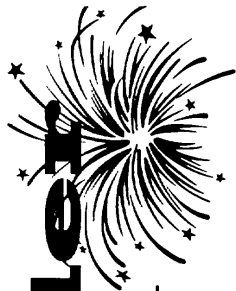
$15x - 5y = 20$

$30x - 5y = 20$

A	$y = -\frac{1}{3}x + 3$	H	$y = -\frac{2}{3}x - 5$
B	$y = \frac{1}{2}x + 4$	I	$y = -\frac{3}{4}x + 6$
C	$y = \frac{3}{2}x - 2$	J	$y = \frac{3}{2}x + 6$
D	$y = -\frac{1}{2}x + \frac{3}{3}$	K	$y = \frac{1}{2}x - 4$
E	$y = -\frac{1}{3}x + 2$	L	$y = \frac{3}{4}x + 6$
F	$y = \frac{2}{3}x + 4$	M	$y = 3x - 4$
G	$y = \frac{1}{2}x + 3$	N	$y = 6x - 4$

D	F	D	F	B	C	G	B	D	B	F	D
F	D	B	F	K	C	C	G	F	D	B	F
B	B	D	B	A	K	C	C	K	G	D	B
D	F	F	A	C	K	C	K	K	C	G	D
F	B	A	C	K	C	G	H	K	C	J	G
B	G	C	K	C	K	L	G	H	J	A	I
G	H	K	K	C	C	K	I	M	N	L	K
H	C	K	K	C	C	K	E	J	H	E	C
B	A	K	C	K	C	K	J	F	D	H	K
D	J	C	K	C	K	C	F	D	B	F	H
F	B	H	C	C	K	C	G	B	A	K	J
D	D	F	H	K	K	C	C	K	C	J	D

Daffynition Decoder



Flu shot:

$$10\frac{1}{2} \quad 6\frac{1}{4} \quad 1350 \quad 10\frac{1}{2} \quad \frac{10}{11} \quad -37 \quad \frac{2}{5} \quad 5\frac{3}{5} \quad -96 \quad -96 \quad -2\frac{1}{2} \quad -4\frac{2}{7} \quad 6 \quad -24 \quad 5\frac{3}{5}$$

Fourth of July:

$$1350 \quad 15 \quad -2\frac{2}{3} \quad -2\frac{4}{5} \quad 13\frac{1}{3} \quad 15 \quad -24 \quad -4\frac{2}{7} \quad 5\frac{3}{5} \quad \frac{3}{4} \quad 1410 \quad 5\frac{3}{5} \quad 21 \quad 20 \quad -6\frac{2}{3} \quad -2\frac{4}{5} \quad -45 \quad -4\frac{2}{7} \quad 10\frac{1}{2} \quad -4\frac{1}{2} \quad -2\frac{2}{3}$$



Solve each equation or problem and find your solution in the code. Each time the solution appears, write the exercise letter above it.



R $12x + 5 = 14$

W $4 - 20y = -4$

S $9a - 2 = -26$

I $\frac{2}{3}x - 4 = 10$

N $-\frac{3}{4}n + 7 = 25$

G $9 - \frac{2}{5}k = 1$

O $\frac{9}{2}m - 3 = 24$

U $8 - \frac{4}{3}t = -12$

L $\frac{5}{8}q + 60 = 0$

A $\frac{2}{7}y + 8 = 11$

H $-\frac{3}{5}u - 9 = -5$

Y $-1 + \frac{10}{3}h = -16$

B $\frac{11}{2}w + 7 = 12$

T $\frac{1}{15} - \frac{1}{6}v = \frac{8}{15}$

D $\frac{7}{8}p = -\frac{15}{4}$

E The Trek Club plans to hike 20 miles today. The hikers have covered 6 miles so far. If they travel at an average speed of $2\frac{1}{2}$ mph, how many hours will it take to complete the hike? _____h

J You are a salesperson for Worldwide Widgets. Each week you earn \$200 plus two ninths of your sales. What dollar amount of sales do you need this week to earn \$500? \$_____