Curriculum Outcomes:

(PR1) Generalize a pattern arising from a problem-solving context using linear equations and verify by substitution.

(PR2) Graph linear relations, analyze the graph and interpolate or extrapolate to solve problems.

Student Friendly: Being able to identify a linear pattern in a t-table.

# of rides | Cost
n | C

1) To attend the local fair the cost for admission is $5.25. If you plan to go on rides it is an additional $2.00 per ticket.

a) Create a table that shows the cost for up to 3 rides

b) Write an equation that relates the cost, C in dollars, to the number of tickets, n, for a ride.

c) How many rides can a student go on for $57.25?

d) You want to go on 12 rides, how much money do you need?

# n rides	C $	
0	5.25	+2
1	7.25	+2
2	9.25	+2
3	11.25	+2

+1 +1

$2n + 5.25$

$C = 2n + 5.25$

$-5.25 \quad -5.25$

$57.25 = 2n + 5.25$

$\frac{52}{2} = \frac{2n}{2}$

$26 = n$

$C = 2(12) + 5.25$

$C = 24 + 5.25$

$C = 29.25$

Warm Up Grade 9

1) To attend the local fair the cost for admission is $5.25. If you plan to go on rides it is an additional $2.00 per ticket.

a) Create a table that shows the cost for up to 3 rides

Tickets, n	Cost, C
0	5.25
1	7.25
2	9.25
3	11.25

b) Write an equation that relates the cost, C in dollars, to the number of tickets, n, for a ride.

$C = 2t + 5.25$

c) How many rides can a student go on for $57.25?

$$C = 2n + 5.25$$

$$57.25 = 2n + 5.25$$

$$57.25 - 5.25 = 2n + 5.25 - 5.25$$

$$52 = 2n$$

$$\frac{52}{2} = \frac{2n}{2}$$

$$26 = n$$

d) You want to go on 12 rides, how much money do you need?

$$C = 2n + 5.25$$

$$C = 2(12) + 5.25$$

$$C = 24 + 5.25$$

$$C = 29.25$$

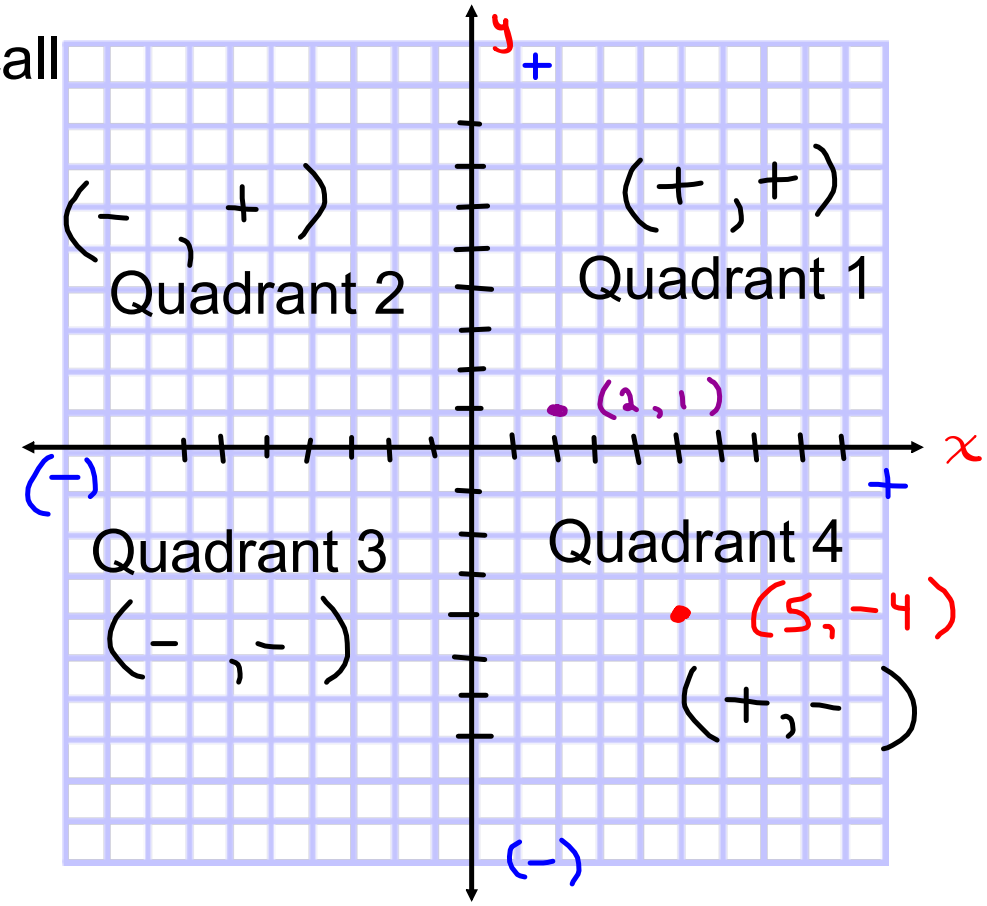
Equation

$$y = \left(\frac{\text{Change } y}{\text{Change } \times}\right)(\text{"x"}) \pm \#$$

X → independent

y→ dependent

Recall



$(\overleftrightarrow{x}, \updownarrow{y})$

Class/Homework

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Questions 4,5,6,7,8,9, 11, 12, Tuesday

Must Show ALL WORK

14, 15, 16, 17,18, 19, 20 Thursday

Worksheet Tuesday

Attachments

Section 4.1 Extra Practice.doc