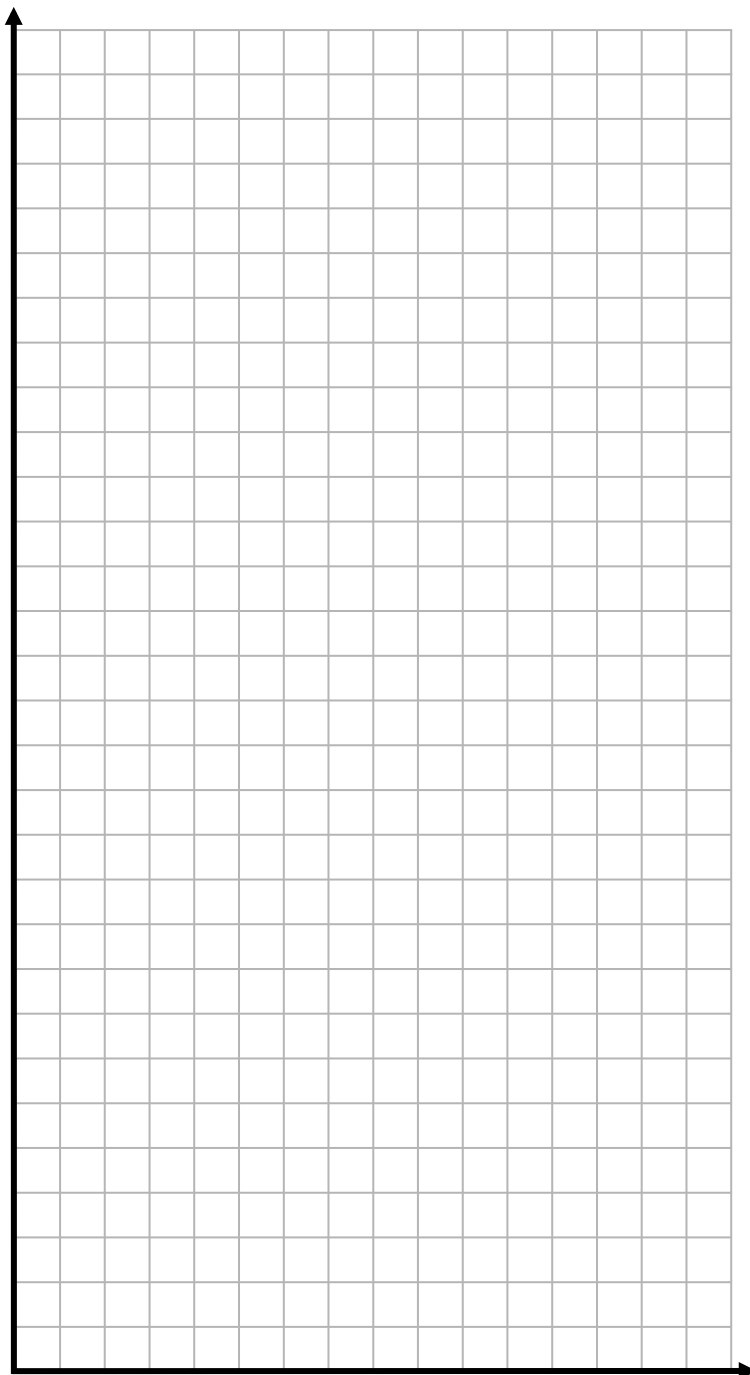


MATCHING ACTIVITY: NUTS

1. Your teacher will give you some cards that represent proportional relationships (one card has an error). Work with a partner to match cards with equivalent representations and find the error.
2. What was the error? How do you know? Fix it on the card.
3. Graph the cost vs. quantity for each mixture on the graph using different colors.
4. Do you think the points should be connected? Explain.





MATCHING ACTIVITY: NUTS

Use Reproducible 8

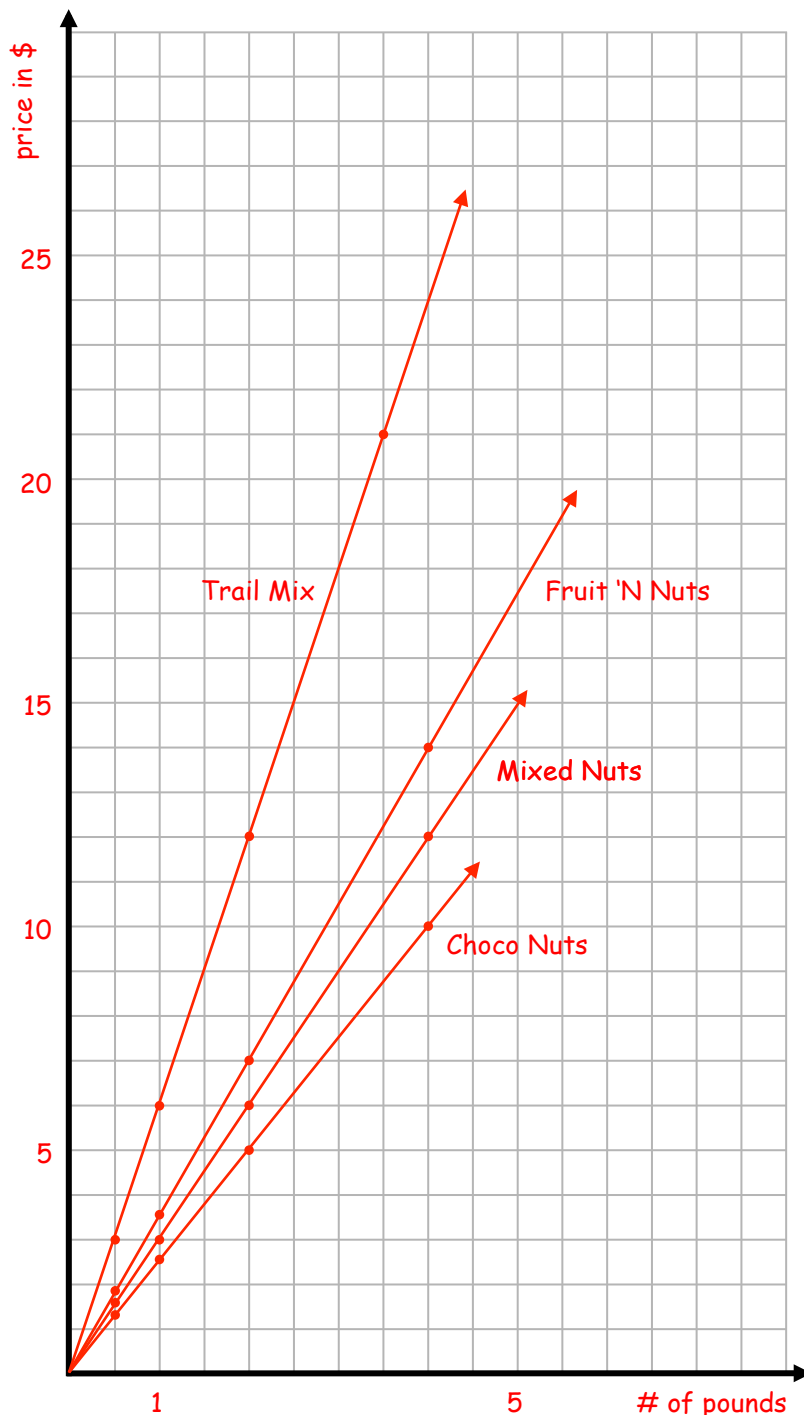
1. Your teacher will give you some cards that represent proportional relationships (one card has an error). Work with a partner to match cards with equivalent representations and find the error. *If desired, have groups of students divide up the equivalent cards.*

2. What was the error? How do you know? Fix it on the card.
For Mixed Nuts, 4 pounds should cost \$12. Since it is supposed to be a proportional relationship, the cost should be \$3 per pound.

3. Graph the cost vs. quantity for each mixture on the graph using different colors.

4. Do you think the points should be connected? Explain.

Students might make the case either way. Nuts sold by the pound can be purchased in any quantity, so you can make the case that it makes sense to connect the points. However, we don't purchase in fractions of a penny.



R8 – MATCHING ACTIVITY: NUTS!

Note: Each column below has four equivalent representations. Cut into 16 cards for students to match. (Note: The error in the “Mixed Nuts” table is intentional.)

TRAIL MIX 2 pounds for \$12.00		CHOCO NUTS 4 pounds for \$10.00		MIXED NUTS 3 pounds for \$9.00		FRUIT ‘N NUTS $\frac{1}{2}$ pound for \$1.75	
# of lbs	price in \$	# of lbs	price in \$	# of lbs	price in \$	# of lbs	price in \$
2	12	2	5	2	6	2	7
4	24	4	10	4	16	4	14
0.5	3	0.5	1.25	0.5	1.5	0.5	1.75
1	6	1	2.5	1	3	1	3.5
Unit Rate \$6 per pound		Unit Rate \$2.50 per pound		Unit Rate \$3.00 per pound		Unit Rate \$3.50 per pound	
Equation Let x = # of lbs and y = price in \$ $y = 6x$		Equation Let x = # of lbs and y = price in \$ $y = 2.5x$		Equation Let x = # of lbs and y = price in \$ $y = 3x$		Equation Let x = # of lbs and y = price in \$ $y = 3.5x$	