Objective 7-4 NOTES

* Determine which relationship in each of the following “Quads” (sets of 4) represents a NON-PROPORTIONAL relationship. Write down its quadrant number and briefly explain WHY it is non-proportional.
* Remember, our “Quads” are invisibly numbered

II.

I.

III.

IV.

Ex.

like the quadrants on a coordinate plane.

#2 Answer:

#1 Answer:

|  |  |
| --- | --- |
| # of  sodas | total  cost |
| 10 | $2.50 |
| 20 | $5.00 |
| 25 | $6.25 |
| 30 | $7.50 |

|  |  |
| --- | --- |
| # of  sodas | total  cost |
| 10 | $2.50 |
| 20 | $5.00 |
| 50 | $12.50 |
| 60 | $15.00 |

|  |  |
| --- | --- |
| # of  sodas | total  cost |
| 10 | $3.00 |
| 30 | $9.00 |
| 55 | $16.50 |
| 60 | $18.00 |

|  |  |
| --- | --- |
| # of  sodas | total  cost |
| 10 | $3.00 |
| 30 | $9.00 |
| 45 | $16.50 |
| 60 | $18.00 |

#4 Answer:

y = 2x + 3

y = ½x

y = 3.5x

y = 4x

#3 Answer:

Objective 7-4 Exercise A

* For #1 & #2, Determine which relationship in each of the following “Quads” (sets of 4) represents a NON-PROPORTIONAL relationship. Write down its quadrant number and briefly explain WHY it is non-proportional.
* Remember, our “Quads” are invisibly numbered

II.

I.

III.

IV.

Ex.

like the quadrants on a coordinate plane.

NOTE: b~gums stands for # of pieces of bubblegum

|  |  |
| --- | --- |
| # of b~gums | total  cost |
| 10 | $0.50 |
| 20 | $1.00 |
| 27 | $1.45 |
| 39 | $1.95 |

|  |  |
| --- | --- |
| # of b~gums | total  cost |
| 10 | $0.50 |
| 15 | $0.75 |
| 42 | $2.10 |
| 60 | $3.00 |

|  |  |
| --- | --- |
| # of b~gums | total  cost |
| 10 | $0.50 |
| 30 | $1.50 |
| 40 | $2.00 |
| 100 | $5.00 |

|  |  |
| --- | --- |
| # of b~gums | total  cost |
| 10 | $0.50 |
| 19 | $0.95 |
| 20 | $1.00 |
| 25 | $1.25 |

#2 Answer:

|  |  |
| --- | --- |
| # of  doughnuts | total  cost |
| 6 | $1.80 |
| 12 | $3.60 |
| 24 | $7.20 |
| 30 | $9.00 |

|  |  |
| --- | --- |
| # of  doughnuts | total  cost |
| 6 | $1.80 |
| 12 | $3.60 |
| 15 | $4.50 |
| 30 | $9.00 |

|  |  |
| --- | --- |
| # of  doughnuts | total  cost |
| 6 | $2.40 |
| 12 | $3.60 |
| 18 | $7.20 |
| 36 | $14.40 |

|  |  |
| --- | --- |
| # of  doughnuts | total  cost |
| 6 | $2.40 |
| 12 | $4.80 |
| 18 | $7.20 |
| 48 | $19.20 |

#1 Answer:

* Answer the following question.

1. Uncle Wally’s® sells 4-packs of miniature muffins for $2.20. Which other food company sells packs of miniature muffins for the same price per muffin?

Answer:

A. Mrs. Baird’s® sells 3-packs of miniature muffins for $1.80.

B. Hostess® sells 5-packs of miniature muffins for $2.75.

C. Nabisco® sells 6-packs of miniature muffins for $3.40.

D. Birds Eye® sells 8-packs of miniature muffins for $4.20.