Name _____

Period ____ Date ____

STATISTICS & PROBABILITY: BIVARIATE DATA A







SP: Bivariate Data A



| No to to The real Cell F | the two surv Do you hav Do you hav sults of the | vey questions sl ve a cell phone? ve an MP3 playe survey are show | Yes No er? Yes No | I answered Yes o | r A |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----|
| The res | the two surv Do you hav Do you hav sults of the | vey questions sl ve a cell phone? ve an MP3 playe survey are show | nown. Yes No er? Yes No | | |
| • The re: Cell F | Do you hav | ve an MP3 playe survey are show | er? Yes No | | |
| The real of the re | Do you hav | ve an MP3 playe survey are show | er? Yes No | | |
| The res | sults of the | survey are show | | | |
| Cell F | | | up in the table | | |
| | Phone | MD2 Distor | wh in the table. | | |
| | Phone | MP3 Player | No MP3 Player | Total | |
| No Co | Flione | 58 | 122 | 180 | |
| | ell Phone | 30 | 65 | 95 | |
| Total | and the second | 88 | 187 | 275 | |
| B. C. D. | whether or | not they liked a | rveyed both adults a particular game. T | | B |
| are sh | own in the t | table. | Did not like the | ame Total | |
| Adul | | 28 | 20 | 48 | |
| Child | | 54 | 98 | 152 | |
| Tota | 1 | 82 | 118 | 200 | |
| who lil game? A. B. C. | ked the gam They are a The propor proportion The propor proportion | pproximately the tion of adults w of children who tion of adults w of children who ssible to compa | ompares the proportion of children where same. The same is the game is the liked the game. The liked the game is the liked the game. The liked the game is the game is the game. | vho liked the is <u>greater than</u> th is <u>less than</u> the | Ie |

| Example Stem: A No to the two surv | answered | Yes or | | |
|---------------------------------------------------|------------|----------------------|--------------------|-------|
| | | Yes No er? Yes No | | |
| The results of the | | | | |
| ne results of the | MP3 Player | | Total | |
| Cell Phone | 58 | 122 | 180 | |
| No Cell Phone | 30 | 65 | 95 | |
| | | | | |
| Total s there an associa 1P3 Player for the | | 187 | 275 e and ownir | ng an |

| · · · · · · · · · · · · · · · · · · · | : A coach of a cross o ran at a meet two | | | JOT | A |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------|-------|
| | than 8 hours of sle a personal record i | | Yes Yes | No No | |
| A summary of t | 8 or more | the table. Less than 8 hours of sleep | Total |] | |
| Personal Record | 28 | 20 | 48 | 1 | |
| No Personal Record | 54 | 98 | 152 | | |
| Total | 82 | 118 | 200 | | |
| The coach saw a achieving a pers | an association betw sonal record for the | runners. Which sta | | 1 | |
| The coach saw a achieving a pers provides eviden A. About 34 sleep ach got less 1 B. More tha record go C. Only 259 meet. | | runners. Which sta on? who got more than & ecord, but only 17% ep did. ers who achieved a of sleep. hieved a personal m | hours of those personal | f e who | |
| The coach saw a achieving a pers provides eviden A. About 34 sleep ach got less B. More tha record go C. Only 259 meet. D. There is Example Item 38.3c (Gr Primary Target 3B (Conter | sonal record for the ce for this association of the runners we hieved a personal re- than 8 hours of slee n 50% of the runners that 8 or more hours to 6 the runners act no evidence for an adde 8) the Domain RP), Secondary Target 1 tant speed and drove 75 miles in 1 | runners. Which sta on? who got more than & ecord, but only 17% ep did. ers who achieved a of sleep. hieved a personal re association. | hours of of those personal ecord at | f e who the | answe |

| Name | Period Date | |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 10 | Example Item 4D.1b (Grade 8) Primary Target 4D (Content Domain SP), Secondary Target 1J (CCSS 8.SP.A), Tertiary Target 4E | answer |
| CLAIM 4 | This scatter plot and line of best fit show the relationship between the height and mass of 15 different dog breeds. The mass of the Afghan Hound is less than would be predicted by the line of best fit, and the difference between the predicted mass and the actual mass is greater than for any other breed. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the Afghan Hound. Click on the point in the scatterplot that corresponds to the point the point the point the point the point the point the | |
| LAIM 4 | Example Item 4E.1a (Grade 8) Primary Target 4E (Content Domain SP), Secondary Target 1J (CCSS 8.SP.A), Tertiary Target 4D, Quaternary 4B This scatter plot shows the lengths and the widths (in millimetres) of the eggs of some American birds. Sizes of Bird's Eggs | |

SP: Bivariate Data A

Name _____

__ Period ____ Date ____

STATISTICS & PROBABILITY: BIVARIATE DATA C

| 1 | 21 This scatter plot shows the relationship be Sweatshirt Sales vs. Temperature | This scatter plot shows the relationship between the number of sweatshirts sold and the temperature outside. | | | | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------|--------------------------|-----------------------------|--|
| | 300 250 200 150 100 50 0 100 0 100 20 30 40 50 Temperature (°F) | | | | | Slope = -50/15= -10/3 | |
| | The <i>y</i> -intercept of the estimated line of be response box. Enter the approximate slope of the estimate y -intercept slope | an kanalan a saka ang basa | | | he <i>b</i> in the first | | |
| 2 | 29 | Dogs with Long Hair Dogs That Do Not Have Long Hair Total | Dogs That are Puppies | Dogs That are Not Puppies | Total | answer | |

| No | me | Period | Date | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-----|-----|
| 3 | 33 There are a total of 500 students in grades | 1st | 85 | | |
| | 17% of the total number of students are 19% of the total number of students are The number of 3rd-grade students is 9 le The number of 2nd-grade students is 10 | 2nd | 112 | | |
| | Complete the table to show the number of Elementary School Students | 3rd | 86 | | |
| | Grade | | | | |
| | 1st | 4th | 95 | | |
| | 2nd | | | | /0 |
| | 3rd | | | | |
| | 4th | | | 5th | 122 |
| | 5th | | | Jui | |
| | | | | | |