

AGE GUESS: What Type of Guesser Are You?? Cassie

✓ 10

Part 1: Data Collection

X

Y

Famous Personality	Actual Age	Estimated Age
✓ Taylor L.	22	26
2. Miley C.	22	24
3. Obama	53	48
4. Stefani G.	28	26
5. Shia L.	28	38
6. Kristen S.	24	23
7. Jake G.	34	40
8. Kim K.	34	32
9. Owen W.	46	48
10. Nick J.	22	32
11. Paul P.	45	34
12. Justin B.	20	19
✓ Jennifer L.	45	45
14. Ashton K.	36	30
15. Leonardo D.	40	42
16. Jennifer A.	45	43
✓ Robert P.	28	28
18. Selena G.	22	18
19. Jaden S.	16	17
20. Kristen D.	32	38

*Where you a "good guesser"? Justify your answer.

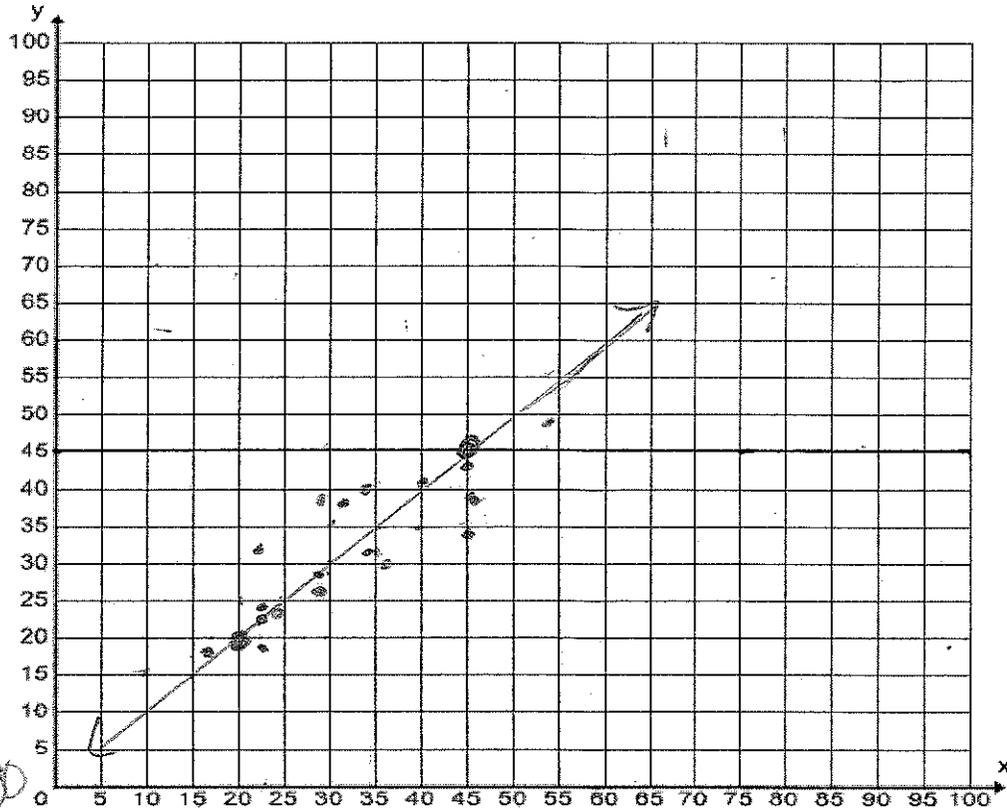
Yes because I got three right and the rest were REALLY close to the real answer.

Cassie
= Cassie

✓ Cassie

Part 2: Analysis of the Data

Using the grid below, graph your data. Be sure to label your axes and scale, and place a title the graph.



3. Is your graph linear? Why or why not?

No because it does not make a straight line.

4. Is there a correlation or association between the actual ages and your guesses? If so, what is the association?

Can you draw a line that "fits" the cluster of points and that will best describe the data?

5. Choose two points to prepare a line of best fit. Then draw the line of best fit on your graph.

First point (20, 20) Second point (45, 45)

6. Find the slope: 0 Find the y-intercept: _____

7. What is the equation for your line of best fit? $y = 0x + 0$

*Where you a "good guesser"? Justify your answer.

No because they are scattered.

3: Interpret the slope/y-intercept, application

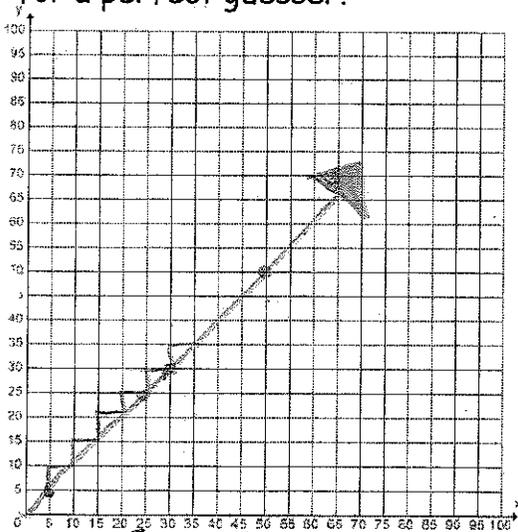
What does the slope of the line of fit tell you about the rate of change when comparing your guessed age to actual age?

What does the y-intercept tell you about your guesses?

*9. Based upon your scatter plot, were you a bad a good guesser? _____

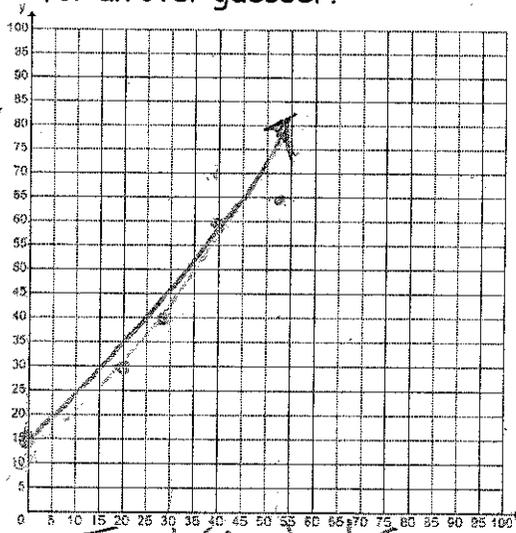
Explain how you came to that decision?

What would the scatter plot look like for a perfect guesser?



Act	Est
5	5
30	30
25	25
50	50

What would the scatter plot look like for an over guesser?



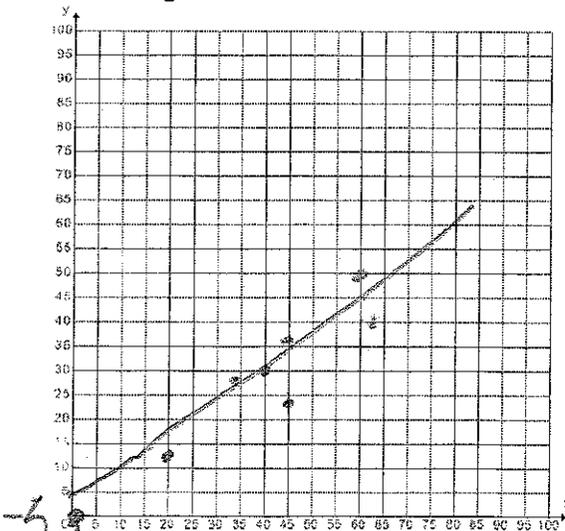
Act	Est
20	30
52	65
40	70
40	60
28	40

$Slope = \frac{5}{5} = 1$

y-Intercept 15

$\frac{50}{45} (1.1)$

What would the scatter plot look like for an under guesser?



Act	Est
45	24
45	36
62	40
34	28
20	12
40	30
60	50

Draw a line of fit on each scatter plot

$Slope = 1, y-intercept = -5$

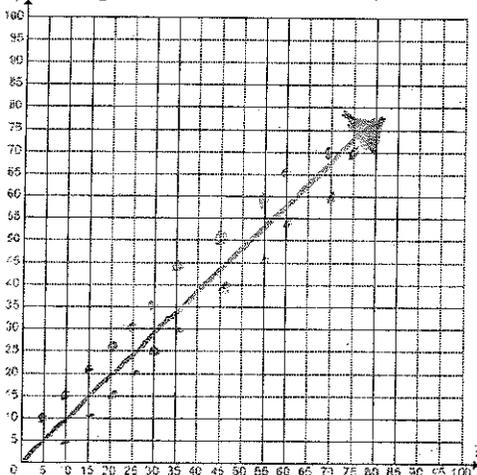
12. What could be a possible equation for a(n).....

Perfect Guesser	$Y = X$
Under Guesser	$Y = X - 5.5$
Over Guesser	$Y = 1.1X + 15$
Good Guesser	
Bad Guesser	

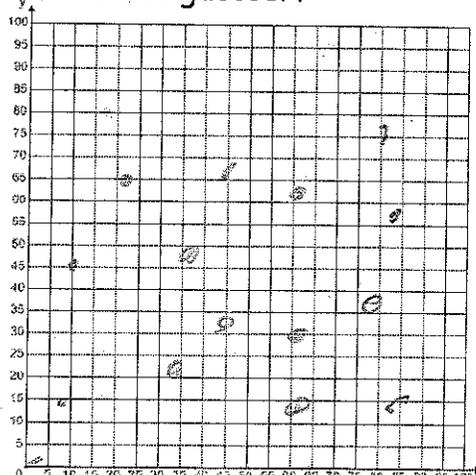
10. What does the slope of the line of fit tell you about the rate of change when comparing guessed age to actual age of a(n)
 perfect guesser?
 over guesser?
 under guesser?

11. What does the y-intercept tell you about a(n)
 perfect guesser?
 over guesser?
 Under guesser?

What would the scatter plot look like
 good guesser?



What would the scatter plot look like for a
 for a bad guesser?



Who was the "BEST" guesser in your group? Why?

AGE GUESS: What Type of Guesser Are You??

Part 1: Data Collection

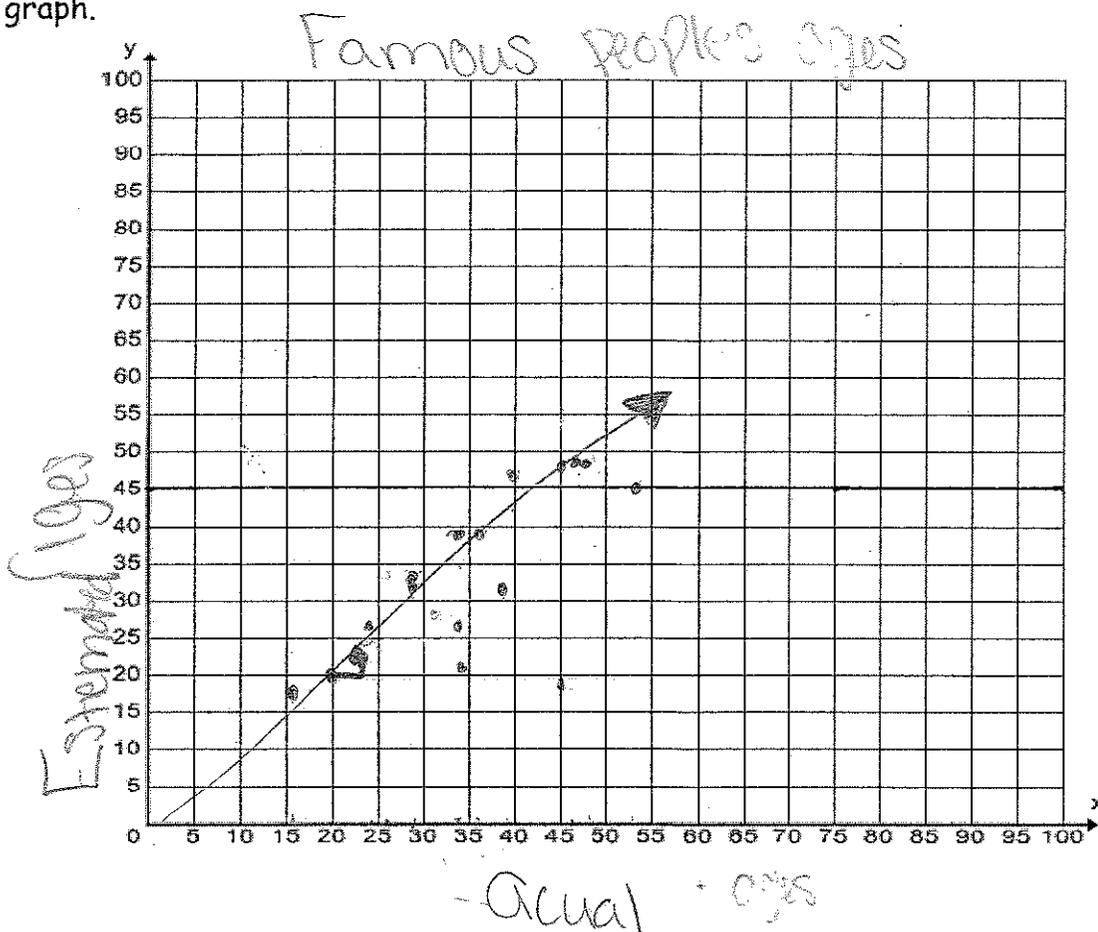
Famous Personality	Actual Age	Estimated Age
1. Taylor Lautner	22	22 *
2. Miley Cyrus	22	22 *
3. Obama	53	48
4. Stefani Germanotta	28	31
5. Shia LaBeouf	28	32
6. Kristen Stewart	24	25
7. Jake Gyllenhaal	34	39
8. Kim Kardashian	34	26
9. Owen Wilson	46	48
10. Nick Jonas	22	22 *
11. Pauley Perrette	45	19
12. Justin Bieber	20	20 *
13. Jennifer Lopez	44	46
14. Harrison Ford	36	49
15. Leonardo	40	36
16. Jennifer A	45	47
17. Robert Pattinson	48	32
18. Selena Gomez	22	22 *
19. Jaden Smith	16	17
20. Kirsten Dunst	32	21

*Where you a "good guesser"? Justify your answer.

No + really because I only got 5 out of 20 right.

Part 2: Analysis of the Data

Using the grid below, graph your data. Be sure to label your axes and scale, and place a title the graph.



3. Is your graph linear? Why or why not?

No because the points are every where

4. Is there a correlation or association between the actual ages and your guesses? If so, what is the association? its a positive

Can you draw a line that "fits" the cluster of points and that will best describe the data?

5. Choose two points to prepare a line of best fit. Then draw the line of best fit on your graph.

First point (20, 20) Second point (22, 22)

6. Find the slope: 1x Find the y-intercept: 2

7. What is the equation for your line of best fit? $y = 1x + 2$

*Where you a "good guesser"? Justify your answer.

NO points are scattered

1: Interpret the slope/y-intercept, application

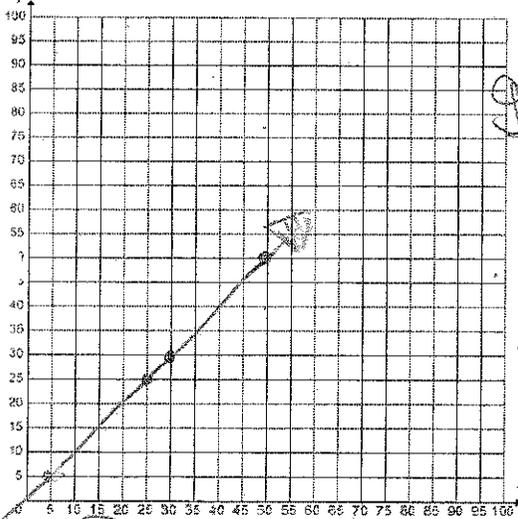
What does the slope of the line of fit tell you about the rate of change when comparing your guessed age to actual age?

What does the y-intercept tell you about your guesses?

*9. Based upon your scatter plot, were you a bad a good guesser? _____

Explain how you came to that decision?

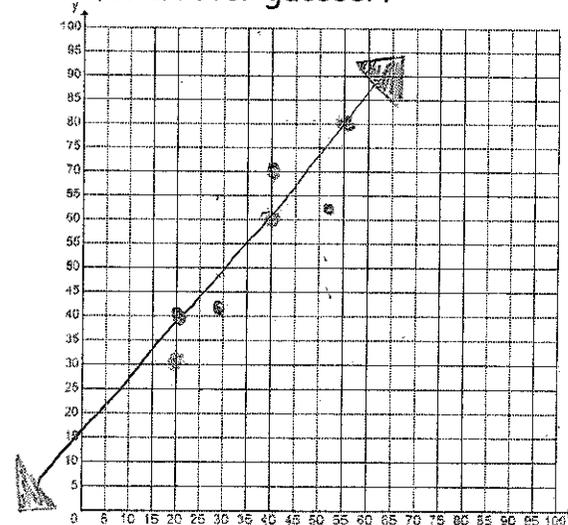
What would the scatter plot look like for a perfect guesser?



Guessed Age	Actual Age
5	5
25	25
30	30
50	50
60	60

$\frac{y}{x} = 1$ slope

What would the scatter plot look like for an over guesser?

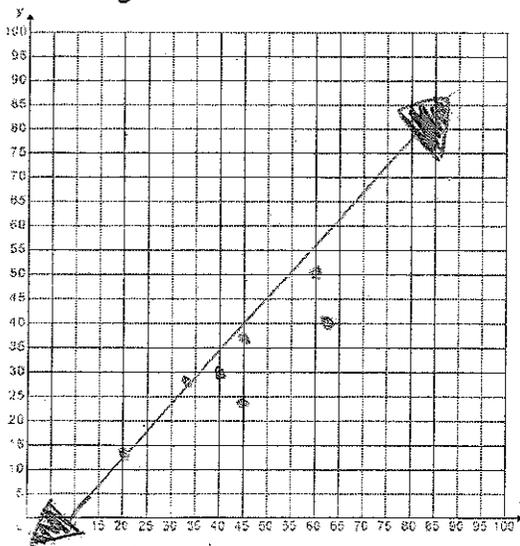


Actual	Est
20	30
25	35
30	40
40	45
45	50
50	55
55	60
65	70

y-intercept 15

slope $\frac{50}{45} = 1.1$

What would the scatter plot look like for an under guesser?



Actual	Est
45	20
45	30
62	40
34	28
20	17
40	30
60	50

y-intercept 5

Draw a line of fit on each scatter plot

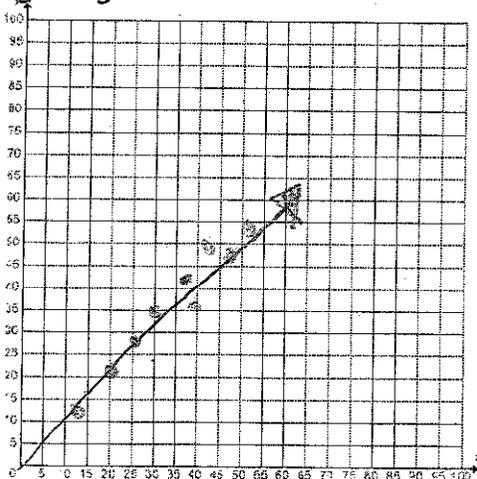
12. What could be a possible equation for a(n).....

Perfect Guesser	$y=x$
Under Guesser	$y=x-5$
Over Guesser	$y=1.1x+15$
Good Guesser	
Bad Guesser	

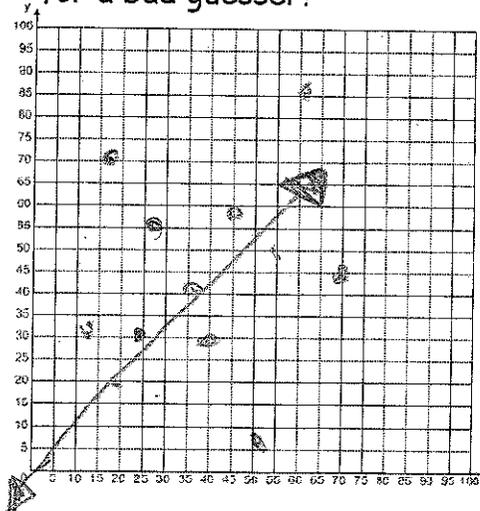
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11. What does the y-intercept tell you about a(n)
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 over guesser?
 Under guesser?

What would the scatter plot look like
 good guesser?



What would the scatter plot look like for a
 bad guesser?



Who was the "BEST" guesser in your group? Why?

Zack his points were
 in a straight line

AGE GUESS: What Type of Guesser Are You??

V10

Rachel R.

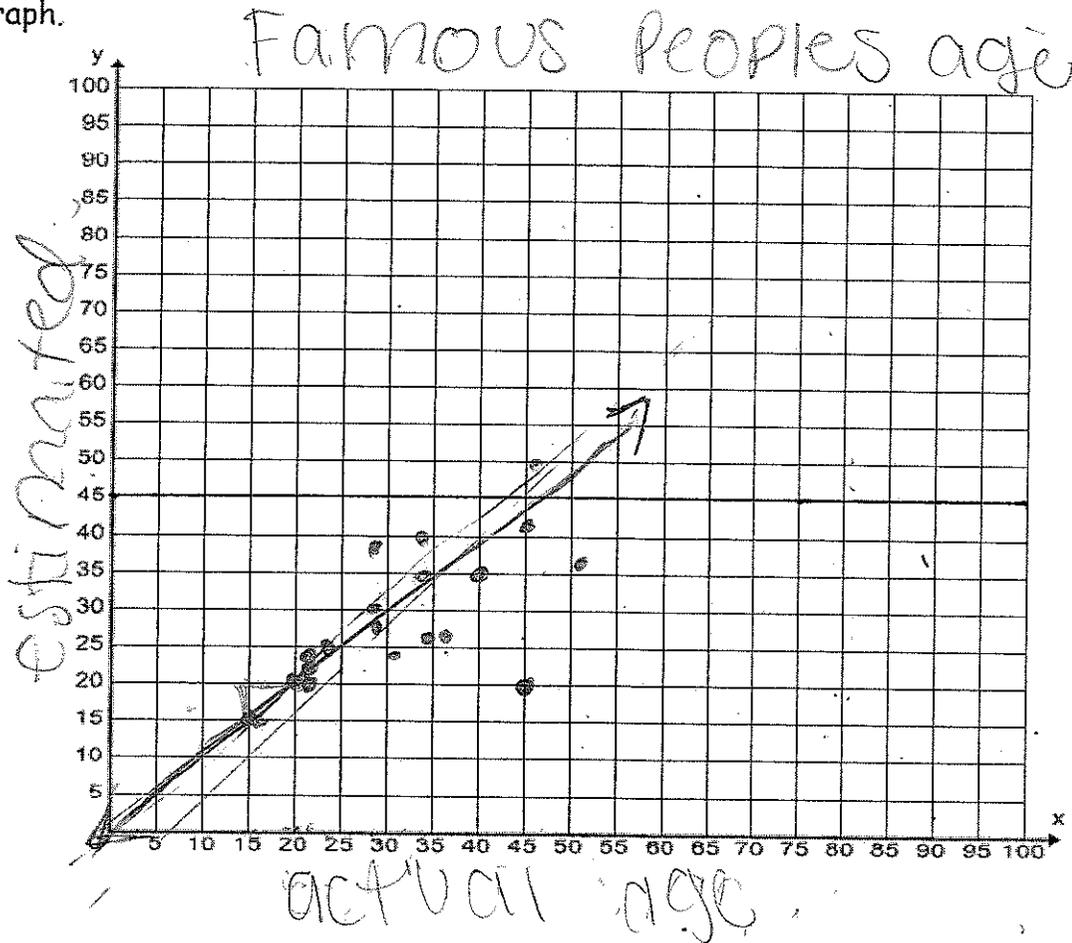
Part 1: Data Collection

Famous Personality	Actual Age	Estimated Age
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2. Miley C	22	21
3. Obama	33	44
4. Stefani G	28	39
5. Shia L	28	27
6. Kristen S	24	25
7. Jake G	34	40
8. Kim K	34	26
9. Owen W	46	50
10. Nick J	22	23
11. Pauley P	45	20
12. Justin B	20	20
13. Jennifer L	45	30
14. Ashton K	36	31
15. Leonardo D	40	35
16. Jennifer A	45	43
17. Robert P	28	30
18. Selena G	22	22
19. Jaden S	16	15
20. Kirsten D	32	24

*Where you a "good guesser"? Justify your answer. No I only got two right and some are close and some very far away.

Part 2: Analysis of the Data

Using the grid below, graph your data. Be sure to label your axes and scale, and place a title the graph.



S.S. $\frac{15}{20} / \frac{15}{20}$

①

3. Is your graph linear? Why or why not?

4. Is there a correlation or association between the actual ages and your guesses? If so, what is the association? POSITIVE

Can you draw a line that "fits" the cluster of points and that will best describe the data?

5. Choose two points to prepare a line of best fit. Then draw the line of best fit on your graph. First point (15, 15) Second point (20, 20)

6. Find the slope: 1. Find the y-intercept: 0

7. What is the equation for your line of best fit? $y = x$

*Where you a "good guesser"? Justify your answer.

NO still the same

3: Interpret the slope/y-intercept, application

What does the slope of the line of fit tell you about the rate of change when comparing your guessed age to actual age?

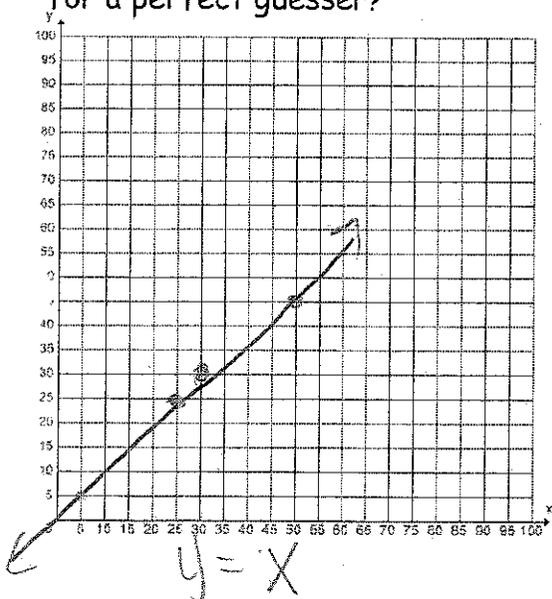
What does the y-intercept tell you about your guesses?

*9. Based upon your scatter plot, were you a bad a good guesser?

Bad.

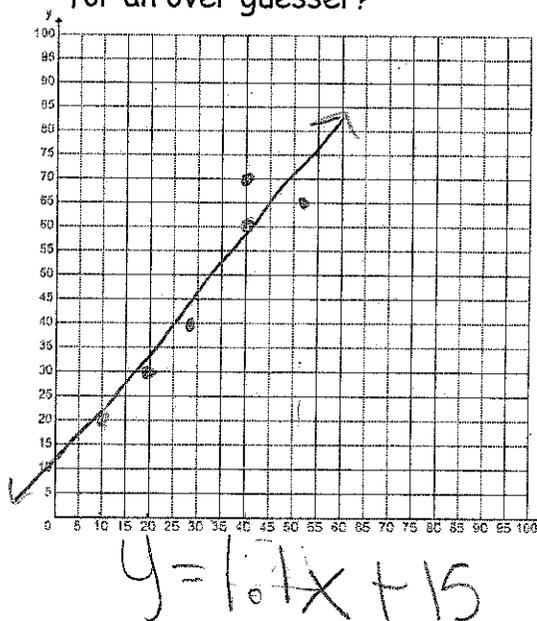
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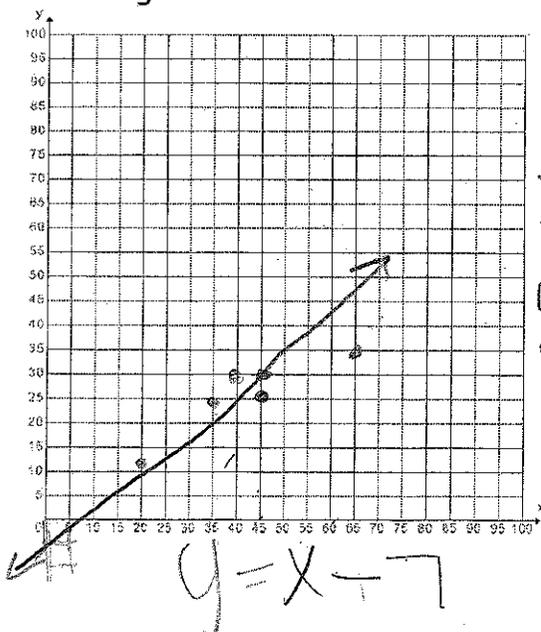
5	5
30	30
25	25
50	50

What would the scatter plot look like for an over guesser?



A	E
20	30
52	65
40	70
40	60
28	40
10	20

What would the scatter plot look like for an under guesser?



A	E
45	24
45	36
62	40
34	28
20	12
40	30

**Draw a line of fit on each scatter plot

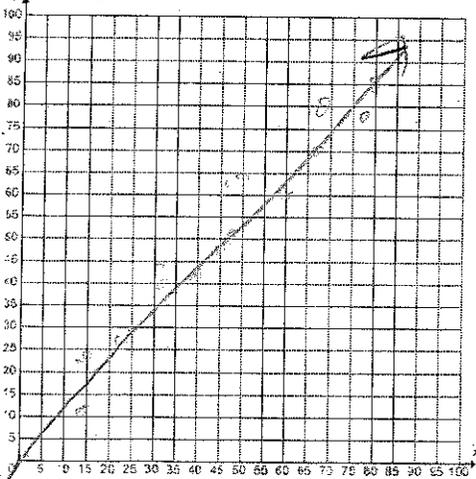
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Under Guesser	$y = x - 7$
Over Guesser	$y = 1.1x + 15$
Good Guesser	
Bad Guesser	

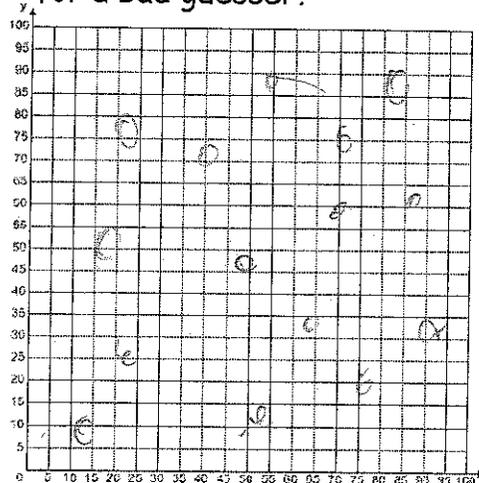
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Zach