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## MATHS

# BOOKS - PRINCETON MATHS <br> <br> (ENGLISH) 

 <br> <br> (ENGLISH)}

## PRACTICE TEST 4

## Math Test No Calculator

1. If two times a number is equal to that number minus 4 , what is the number?
A. -7
B. -6
C. -4
D. -3

## Answer: C

## D Watch Video Solution

2. The number of soil samples,s, that Sonal needs for an experiment must be greater than 6 but less than or equal to 13 . Which of the
following represents an acceptable number of soil samples for Sonal's experiment?
A. $6<s<13$
B. $6 \leq s<13$
C. $6<s \leq 13$
D. $6 \leq s \leq 13$

Answer: C
( Watch Video Solution


In the figure above, of $y=f(x)$ is shown. Which of
the following could be the equation of $f(x)$ ?
A. $f(x)=-\frac{3}{5} x+3$
B. $f(x)=-\frac{3}{5} x-3$

$$
\begin{aligned}
& \text { C. } f(x)=\frac{3}{5} x-3 \\
& \text { D. } f(x)=\frac{3}{5} x+3
\end{aligned}
$$

## Answer: D

## - Watch Video Solution

4. IF $x+y=0$, which of the following must be equivalent to $x-y$ ?
A. $-2 y$
B. $\frac{x}{y}$
C. $x$
D. $x^{2}$

Answer: A

## - Watch Video Solution

5. Which of the following is equivalent to
$2 x^{2}-6 x-8 ?$
A. $2(x-4)(x+1)$
B. $3(x+4)(x-1)$

## C. $2(x-3)(x+2)$

D. $3(x-4)(x-2)$

## Answer: A

## D Watch Video Solution

6. Ryan and Allison build a ramp to help their elderly cat, Simms, walks up to their bed. They need the ramp to make a $35^{\circ}$ angle with their bedroom floor. How long must the ramp be to
reach the top of their bed that is exactly three

## feet off the ground?

A. $\frac{\sin 35^{\circ}}{3}$
B. $\frac{\sin 55^{\circ}}{3}$
C. $\frac{3}{\sin 55^{\circ}}$
D. $\frac{3}{\sin 35^{\circ}}$

Answer: D

## D Watch Video Solution

## 7. IF $3 a+2 b=24$ and $4 a+5 b=53$, what is the value

 of $a+b$ ?A. 2
B. 7
C. 9
D. 11

Answer: D

D Watch Video Solution
8. Given the equation $y=3 x^{2}+4$, what is the
function of the coefficient of 3 ?
A. It moves the graph of $y=3 x^{2}+4$ three
units higher than the graph of

$$
y=x^{2}+4
$$

B. It moves the graph of $y=3 x^{2}+4$ three
units lower than the graph of

$$
y=x^{2}+4
$$

C. It makes the graph of $y=3 x^{2}+4$ wider
than the graph of $y=x^{2}+4$
D. It makes the graph of $y=3 x^{2}+4$ narrower than the graph of $y=x^{2}+4$.

## Answer: D

## D View Text Solution

9. Steven needs to buy theme park tickets for
himself and his family. Each ticket costs $\$ 80$, and the number of tickets he needs to buy can be modeled by the expression
$t^{2}-4 t-90=6$ when $t>0$. What is the
total cost of the theme park tickets that Steven Purchased?
A. 640
B. 800
C. 960
D. 1120

Answer: C
( Watch Video Solution
10. $2 c+3 d=17$
$6 c+5 d=39$

In the system of linear equations above. What is the value of $4 \mathrm{c}-4 \mathrm{~d}$ ?
A. -4
B. 1
C. 4
D. 13

Answer: C
11. IF $x^{2}+2 x y+y^{2}=64$ and y - $\mathrm{x}=12$, which of
the following could be the value of $x$ ?
A. -10
B. -4
C. 2
D. 10

Answer: A

D Watch Video Solution
12. Samantha offers two different packages of
yoga classes at her yoga studio. She offers two
hot yoga sessions and three zero gravity yoga sessions at a total cost of $\$ 400$. She also offers
four hot yoga sessions and two zero gravity sessions at a price of $\$ 440$. Samantha wants to offer a larger packages for long time clients in which the cost must exceed \$800. IF

Samantha does not wish to include more than

13 sessions for the long-time client package,
will she be able to create this package for her clients?
A. No,because the closest package that she
can offer consists of three hot yoga and
three zero gravity yoga sessions.
B. No,because the closest package that she
can offer consists of four hot yoga and
four zero gravity yoga sessions.
C. Yes, because she can offer five hot yoga
and five zero gravity yoga sessions.

# D. Yes, because she can offer six hot yoga 

 and six zero gravity yoga sessions.
## Answer: D

## D View Text Solution

13. Cuthbert is conducting a chemistry experiment that calls for a number of chemicals to be mixed in various quantities.

The one amount of which he is unsure is grams of potassium,p. IF cuthbert is certain
that
$\left(3 p^{2}+14 p+24\right)-2\left(p^{2}+7 p+20\right)=0$.
What is one possible value of $3 p+6$, the exact number of grams of potassium that Cuthbert would like to use for this experiment?
A. 20
B. 18
C. 12
D. 10

Answer: B
14. What is the value of $(2+8 i)(1-4 i)-(3-2 i)(6+4 i)$ ?
A. 8
B. 26
C. 34
D. 50

Answer: A
( Watch Video Solution
15. If $2 \sqrt{x}=x-3$, which of the following is the solution set for $x$ ?
A. $\{-1,9\}$
B. $\{1,-9\}$
C. $\{9\}$
D. $\{1,9\}$

Answer: C

- Watch Video Solution

16. A group of students at Omega high school
is using staples and popsicle sticks to build a scale model of the Great wall of china as part of a Project detailing China's military history.

The number of staples the students will need is three times the number of popsicle sticks they will need. If the students determine they need 84 staples for this particular project, how many popsicle sticks will they need?

## D Watch Video Solution

17. A standard parabola in the $x, y$ coordinate plane intersects the $x$-axis at $(5,0)$ and $(-5,0)$. What is the value of the $x$-coordinate of this parabola's line of symmetry?

## D Watch Video Solution

18. Danielle is a civil enginner for Dastis

Dynamic Construction, Inc. She must create blueprints for a wheelchair accessible ramp
leading up to the entrance of a mall that she
and her group are building. The ramp must be exactly 100 meters in length and make a $20^{\circ}$ angle with the level ground. What is the horizontal distance, in meters, from the start of the ramp to the point level with the start of the ramp immediately below the entrance of the mall, rounded to the nearest meter?
(Disregard units when inputting your answer)

## D View Text Solution

19. IF twice a number is equal to that number
minus five, what is three times that number plus seventeen minus that number?
A. 3
B. 5
C. 8
D. 7

Answer: 7

D Watch Video Solution
20. Given that the equation $3 x^{2}+2 x-8=0$
has two distinct solutions, what is the value of
the smaller solution subtrated from the larger solution?

## - Watch Video Solution

## Math Test Calculator

1. IF $3 y=y+2$, what is the value of $2 y$ ?
A. 1
B. 2
C. 3
D. 4

## Answer: B

## D Watch Video Solution

2. Merry joined an online community that charges a monthly fee of $\$ 15$. A one-time enrollment fee of $\$ 50$ was charged when she joined. Which of the following represents the
total amount of fee that merry has paid to the community organizers after m months, in dollars?
A. $15 m+50$
B. $15+50 \mathrm{~m}$
C. $15 \mathrm{~m}-50$
D. $(15+50) m$

Answer: A

D Watch Video Solution
3. Rob had his favorite guitar tuned up and ready to take to a performance by his cover band at a local venue Saturday. He decides at the last minute to take x additional guitars, just in case his favorite guitar has an issue. IF the total number of guitars that Robert takes to the performances can be modeled as $x+1$, what does the " +1 " account for in the expression?
A. It accounts for an additional guitar that Rob returns to his house and picks up in
the middle of the performance.
B. It accounts for his favorite guitar, which

Rob was taking from the beginning.
C. It accounts for the number of additional
guitars that Rob decided to take.
D. It accounts for an additional non-guitar
musical instrument that Rob decided to
take.

## Answer: B

4. A group of 24 students was polled as to whether they enoy biology class, chemistry class, both, or neither The results are shown in the table below:

|  | Biology | Chemistry |
| :--- | :---: | :---: |
| Enjoy | 14 | 18 |
| Don't Enjoy | 10 | 6 |

Given the above data, which of the following conclusions is true?
A. The ratio of those who enjoy biology
class to those who enjoy chemistry class
is $7: 8$.
B. The ratio of those who enjoy chemistry
class to those who don't enjoy chemistry
class is $9: 4$.
C. The ratio of those who enjoy biology
class to those who don't enjoy chemistry
class is 7:2
D. The ratio of those who don't enjoy
biology class to those who enjoy chemistry class is $5: 9$.

## Answer: D

## D Watch Video Solution

5. Dr. Goldberg, a noted dietician, mixes different solutions as part of her research into sugar substitues. By weight, she mixes $40 \%$ of a sample of substitute $A$ and $70 \%$ of a sample
of substitute B to create substitute C. IF Dr.

Goldberg initially had 60 grams of substitute $A$
and 110 grams of substitute $B$, then what would be the weight, in grams, of substitue C?
A. 24
B. 77
C. 101
D. 170

## Answer: C

6. Which of the following is equivalent to the expression $x^{4}-x^{3}-x^{2}$ ?
A. $x\left(x^{2}-x-1\right)$
B. $x\left(x-x^{2}-x^{3}\right)$
C. $x\left(x^{3}-x^{2}\right)$
D. $x^{2}\left(x^{2}-x-1\right)$

Answer: D

- Watch Video Solution

7. Officer Blake drives his squad car 1 mile per minute wile patrolling local highways during his shift. If he has driven 480 miles by the end of his shift, how many total hours did he drive his car at the above rate?

## - Watch Video Solution

8. In the inequalilty $37 \leq-2 x+1$ what is
the appropriate order of steps needed to solve the inequality for x ?
A. Add 1 to both sides, divide both sides by

2 , and flip the inequality sign to $\geq$.
B. Subtract 1 from both sides, divide both
sides by -2 and flip the inequality sign to

$$
\geq
$$

C. Add 1 to both sides, divide both sides by
-2 , and keep the original inequality sign.
D. Subtract 1 from both sides, divide both
sides by 2 , and keep the original inequality sign.

Answer: B

## D Watch Video Solution

9. What is the value of $\left(2 x^{2}+4 x+8\right)-\left(2 x^{\wedge} 2-\right.$ $4 x+7)^{\prime} ?$
A. $4 x^{2}+8 x+15$
B. $2 x^{2}+x+1$
C. $8 x+1$
D. $8 x+15$

Answer: C

## D Watch Video Solution

10. As part of a project for his cartography elective, Adam climbs several hills to create a relief map for the woods surrounding his house. He records the vertical height of the five hills he climbed at 55 feet, 42 feet, 38 feet
,50 feet and 48 feet. For his project, Adam must convert his measurements to inches. IF 1 foot=12 inches, what is the measurement, in

## map?

A. 660
B. 600
C. 576
D. 456

Answer: A
( Watch Video Solution

11.

In the figure above, if $\mathrm{y}=4 \mathrm{O}$ and $\overline{L N}=8$, which
of the following most closely approximates
the length of $\overline{M N}$ ?
A. 0.10
B. 9.53
C. 10.44
D. 12.45

Answer: B

## D Watch Video Solution

12. McCoy Max speed, Inc, Makes custom
skateboards for its customers. Two wooden
skateboards and three composite skateboards
cost $\$ 650$. Three wooden skateboards and one
composite skateboards cost $\$ 450$. How much
would McCoy Max speed charge a customer who purchases five wooden skateboards and four composite skateboards?
A. 500
B. 600
C. 1000
D. 1100

Answer: D

D Watch Video Solution
13. The chart below shows data about the number of employees at Cuda Cola,a popular beverage company.

|  | 2012 | 2013 | 2014 |
| :--- | :--- | :--- | :--- |
| Total Employees | 1,670 | 1,890 | 2,110 |
| Percent Male | $65 \%$ | $60 \%$ | $55 \%$ |
| Percent Female | $35 \%$ | $40 \%$ | $45 \%$ |

Assuming the employee total grows at the same rate each year, and male and female percentages continue to decrease and increase by 5\%, respectively, approximately how many male employees will work at Cuda Cola in 2015?
A. 1515
B. 1398
C. 1282
D. 1165

## Answer: D

## - Watch Video Solution

14. John Croxley, the mayor of Black Rock. NY, is counting the number of restaurants that have opened is his town per month for the last
seven monts. He compiles the seven numbers
into Set $F$, which contains the elements
$4,5,11,13,16,18$, and $x$. If both the median and average (arithmetic mean) of Set F equall 11, what must be the value of $x$, the unknown number of restaurants that opened in Mayor Croxley's town last month?
A. 9
B. 10
C. 11
D. 12

Answer: B

## D View Text Solution

15. $17 s+20 t=59$
$30 s+40 t=110$

In the system of equations above, what is the
value of $t$ in terms of $x$ ?
A. $\frac{2 s}{5}$
B. $\frac{s}{5}$
C. $\frac{5}{2 s}$
D. $\frac{5}{s}$

## Answer: C

## - Watch Video Solution


16.

Given the scatterplot graph above, ten
students at Welton Academy were polled at
random at their usage of the school's new physics centered social media app, $E=M C$ shared. The app was developed to encourage students to discuss physics Curricula and concepts in ways that mirrored social media trends in 2013. Students were asked how many
times they logged into the app each day as
well as how many posts they actually made
using the app. With the given data, what conclusions can be drawn about this group of students?
A. The majority of students polled logged
in more times per day than they posted
B. The majority of students polled posted more times per day than they logged in.
C. The majority of students polled logged in and posted an equal number of times
D. No relationship can be drawn between
logins per day and posts per day.

## Answer: A

D View Text Solution
17.


Two graphs $\mathrm{f}(\mathrm{x})$ and $\mathrm{h}(\mathrm{x})$ are shown above. IF $f(x)=3 x+4$ and $f(x)$ and $h(x)$ are perpendicular,
which of the following could be the equation of $h(x)$ ?

$$
\begin{aligned}
& \text { A. } h(x)=\frac{1}{3} x+9 \\
& \text { B. } h(x)=-\frac{1}{3} x+9 \\
& \text { C. } h(x)=3 x+9 \\
& \text { D. } h(x)=-3 x+9
\end{aligned}
$$

Answer: B

## D Watch Video Solution

18. The number of eggs that Farmer Jones has
in his chicken crop will grow exponentially as
Farmer jones buys more chickens to increase
Production. The number of eggs Farmer jones
has in the coop can be modeled by the equation $y=3^{x}$ beginning on Day 1 , where x is given by $\mathrm{x}=1$, and y is the number of eggs currently in the coop. IF the coop can support only 4,000 eggs ,and Farmer Jones empties the coop every day, on which day will the chickens produce too many eggs for the coop to support?
A. Day 6
B. Day 7
C. Day 8
D. Day 9

Answer: C

## D Watch Video Solution

19. IF $a=\frac{4 a^{2}}{16}$ and a is a nonzero integer, which of the following is equivalent to $a$ ?
A. 4 a
B. $4 \sqrt{a}$
C. $\sqrt{2} a$
D. $2 \sqrt{a}$

## Answer: D

## D Watch Video Solution

20. Three different chefs work together to prepare meals for 280 dinner guests. Each works at a different speed, and their combined
output throughout the night is modeled by
the equation $8 x+4 x+2 x=280$. If $x$ is a positive integer, which of the following could $8 x$ represent in the equation?
A. The total meal output by the slowest
chef, who made 40 meals
B. The total meal output by the fastest
chef, who made 160 meals
C. The total meal output by the fastest
chef, who made 80 meals
D. The difference between the output
between the slowest and fastest chef, whihch would be 120 meals.

Answer: B

- Watch Video Solution


21. 

The graph $\mathrm{y}=\mathrm{f}(\mathrm{x})$, shown above models the performance of a certain crop, where x is the nutrients subtracted or added to the soil and
$y$ is the gain or loss of pieces of fruit added to
the total harvest. A more powerful fertilizer
that is used causes the graph $y=f(x)$ to be reflected over the line $y=x$. which of the following best describes the behaviour of the crop with the new fertilizer?
A. For every three nutrients added to the soil, the crop loses two additional fruits for the total harvest.
B. For every two nutrients added to the soil
, the crop loses two additional fruits for the total harvest.
C. For every three nutrients added to the
soil, the crop adds two additional fruits
to the total harvest.
D. For every two nutrients added to the
soil, the crop adds three additional fruits
to the total harvest.

## Answer: D

## D View Text Solution

22. George and Joe inteview the same 20 follow students regarding their interest in their schools new model UN club. George asked the students to respond with interested., Sort of interested , and Noot interested. Joe asked the students to rate their interest on a scale of 1 to 5 . The results of the polls are below.

## George's Poll

| Response | Number of <br> Students |
| :--- | :--- |
| Interested | 8 |
| Sort of Interested | 5 |
| Not Interested | 7 |

Joe's Poll

| Rating | Number of <br> Students |
| :--- | :--- |
| 1 | 5 |
| 2 | 4 |
| 3 | 3 |
| 4 | 4 |
| 5 | 4 |

After reviewing the data, the Model UN advisors determine that Joe informed the students of Whether a 1 or a 5 was the best
rating, but neglected to report to them whether it was a 1 or a 5 that was the best
rating in the report. What additional piece of information would most help the advisor determine whether a 1 or 5 was the best rating?
A. Requesting the George redo his poll
with the same rating system as Joe's poll
B. Requesting that Joe redo his poll with
the same rating system as George's poll
C. Polling all of the students who said
"Interested" in George's Poll and asking
them to choose between " Extremely

Interested" and "Very Interested"
D. Polling all of the students who gave a "1"
rating in Joe's poll and ask them if they
are interested in MODEL UN

## Answer: D

23. Each writer, Captain Dan's Ski Lodge rents
both pairs of skis and snowboards to its guests for a flat daily rate per pair of skis and
a flat daily rate per snowboard. Five pairs of
skis and two snowboards will cost a family
\$370. Three pairs of skis and four snowboards
will cost a family $\$ 390$. During a particularly
slow season, Captain Dan announces a 10\%
discount on all skis and snowboards. What
would be the cost of renting two pairs of skis
and two snowboards if they were rented during this discount period?
A. 99
B. 110
C. 198
D. 220

Answer: C

## D Watch Video Solution

24. IF $8 x+8 y=18$ and $x^{2}-y^{2}=-\frac{3}{8}$,
what is the value of $2 x-2 y$ ?
A. $-\frac{1}{3}$
B. $-\frac{1}{6}$
C. $\frac{1}{3}$
D. $\frac{1}{6}$

Answer: A

## D Watch Video Solution

25. Shaun is developing a weight loss regimen, which includes both a workout plan and a
calorie-restriction plan. Shaun wants to work
out for no less than 30 minutes and no more
than 60 minutes a day and consume no less
than 2,000 and no more than 2,500 calories. If
each minute, $m$, of his workout time burns 50
calories .which of the following inequalities
represents the number of minutes,m, that that

Shaun can work out each day to burn off as many calories as he consumes?
A. $30 \leq m \leq 60$
B. $30 \leq m \leq 50$
C. $40 \leq m<50$

## D. $40 \leq m \leq 50$

## Answer: D

## D Watch Video Solution

26. A professional baseball team wishes to
average 45,500 season. Through the first 60
games of the season, the team has averaged

43,000 ticket purchases per game. Which of
the following most closely approximates how many ticket purchases per game the team
must average for the remainder of the season
in order to hit its overall goal of an average of

45,500 ticket purchases per game for the season?
A. 46970
B. 47880
C. 48000
D. 48220

Answer: A
27. A certain polynomial,P, has a degree of 2 .

Polynomial P has zeroes of 2 and -3 and $a>0$
when the function of polynomial $P$ is written in
the form of $y=a x^{2}+b x+c$. Given this information, which of the following could be the graph of polynomial P?



## Answer: B

## D View Text Solution

28. Circle $O$ (not shown) is divided into three
sectores. Point $P, Q$ and $R$ are on the circumference of the circle. Sector POR has an
area of $8 \pi$, and sector ROQ has an area of $6 \pi$.

IF the radius of circle $O$ is 4 , what is the measure of the central angle of sector QOP, in degrees?
A. 45
B. 90
C. 135
D. 180

## Answer: A

29. Medical residents at Lakewood Hospital are
choosing their individual specialties. Among them, $40 \%$ choose cardiology, $16 \%$ choose oncology, $34 \%$ choose endocrinology, and the remaining $\mathrm{x} \%$ choose hematology. Once the doctors pick their first speciality, they are then each asked to choose a second specialty
from the previous four options in case their original speciality is already filled. They may not pick their original speicality again. 20\% of those who originally picked cardiology choose
oncology as their second choice. IF no other
field choose oncology as their second choice,
and the hospitals boasts 200 medical
residents, then what is the total number of residents who named oncology as either their first or second choice, in terms of $x$ ?
A. $8 x-128$
B. $8 x-144$
C. $x^{2}+24 x-188$
D. $x^{2}-24 x+188$

## - Watch Video Solution

30. Mr. Lastorka's science class is running experiments with an energy efficient model electric car, As the initial rate of energy delivered to the car, measured in watt, increases, the number of millimeters moved by the car from its starting positions increases exponentially . The results the several trial runs are shown on the scatterplot graph below.


Based on the data, the students in Mr . Lastroka's class determine the exact equation involving Watts, $x$ and total distance from start,y. They call the function $\mathrm{y}=\mathrm{f}(\mathrm{x})$ over the x axis. He challenges each student to determine the new function and what it would mean from a physics perspective. Four students
pairs gave their answers below. Who is correct, and for what reasons?
A. Charles and Shannon, who identify the
new equation as $y=-2^{x}$ and explain
that the new graph indicates that the
car is still moving forward at the same
rate as before
B. Michael and Lauren, who identify and
new equations as $y=-2^{x}$ and explain
theat the new graph indicates the car is
now moving in reverse at the same rate
as before.
C. Matthew and Karen, who identify the new equations as $y=-2^{x}$ and explain
that the new graph indicates that the
car is now moving forward more rapidly
than before.
D. Andy and Joanie, who identify the new
equation as $y=2^{-x}$ and explain that
the new graph indicates that the car is no longer moving in any direction.

## Answer: B

## D View Text Solution

31. What number divided by two is equal to that same number minus 15 ?

D Watch Video Solution
32. The number of hours Robert spends in his
game room is proportional to the number of
hours he spends playing Call of Destiny IV, Modern Battlefield. If the plays call of destiny

IV for 6 hours, he will spend 8 hours in his game room. How many hours will Robert spend in his game room if he plays Call of destiny IV for only 3 hours?

## D Watch Video Solution

33. Twelve Smooth Guide Pens and eight Easy-

Write pencils cost exactly $\$ 16.00$ at Office
world. Six smooth - Glide Pens and ten Esay write Pencils cost $\$ 11.00$ at the same location .

How much will nine Smooth-Glide pens and nine Easy-Write pencils cost at Office world?
(disregard the dollar sign when gridding your answer).

## - Watch Video Solution

34. In the equation $3 x^{2}-16 x=-20$, what is one possible value of x ?

## - Watch Video Solution

35. Anthropologists determine that new dwellings in an ancient farming community were constructed monthly as modeled by the
function $f(x)=2 x+100$, where $x$ is the current month of the year and $f(x)$ is the number of dwellings constructed by the end of that
month. Additionally, they determine that the population grew exponentially each month, thanks to the discovery of more fertile land for farming. This growth is modeled by the equation $g(x)=3^{x}$, where $g(x)$ represents the current population at the end of a given month. What is the smallest integer value of $x$, with 1 representing the end of January and 12 representing the end of December, at which
the population surpasses the number of dwellings built?
36. In a school-wide competition held at Saul C.

Tigh memorial High school, Olympiad teams are challenged to come up with different circuits involving both real and imaginary currents, imaginary currents exists in spots
where the electrical energy encounters zero
resistance, such as through a coil or wire. Real
currents exist only where the electrical energy
headed through the circuit encounters resistance, such as when a light bulb "resists"
the current and takes up some of the energy
carried throughout the circuit.

The members of team Charlie develop a circuit
in which the total current, real and imaginary,
can be measured at $50+12 \mathrm{i}$ amps. They then
add the current together with the current produced by Team Delta's circuit, 40-9i amps.

Finally, they decide to multiply the resulting
current, in amps, by Team Epsilon's total current, 60-2i amps. What is the final current, in amps, after the entire process is completed?
37. The chart below shows the population distribution for the 2,400 occupants of the city of centre Hill.

|  | Adult <br> Male | Adult <br> Female | Child |
| :--- | :---: | :---: | :---: |
| \% Living in Uptown | 9 | 8 | 6 |
| \% Living in Midtown | 22 | 20 | 15 |
| \% Living in Downtown | 21 | 22 | 12 |
| \% Living in Suburbs | 48 | 50 | 67 |

IF there are an equal number of adults and children, and adult females outnumber adult males by 200 , what is the sum of the women
living uptown and the children living in the suburbs of Centre Hill?
38. The chart below shows the population distribution for the 2,400 occupants of the city of centre Hill.

|  | Adult <br> Male | Adult <br> Female | Child |
| :--- | :---: | :---: | :---: |
| \% Living in Uptown | 9 | 8 | 6 |
| \% Living in Midtown | 22 | 20 | 15 |
| \% Living in Downtown | 21 | 22 | 12 |
| \% Living in Suburbs | 48 | 50 | 67 |

Centre Hill plans to annex the area around a nearby lake. This new part of centre hill will be called, appropriately, Then annex. the annex will add to the current population of Centre

Hill. The percent of adult males living in Uptown will decrease to $6 \%$ after incorporating The annex into Centre Hill. IF the information from Part 1 Holds true for the original four districts of the city of Centre Hill, then how many adults live in the Annex?

## D View Text Solution

