Q1. John has 6 apples and 7 bananas. How many fruits does John have?

```
apples = 6
bananas = 7
print("johns have:",apples + bananas, "fruits")
```

```
johns have: 13 fruits
```

Q2. Emma read 15 pages yesterday and 10 pages today. Did she read more than 20 pages in total?

```
emma_yesterday = 15
emma_today = 10
total_pages = emma_yesterday + emma_today
print("did she read more than 20 pages:", total_pages)
```

```
did she read more than 20 pages: 25
```

```
Start coding or generate with AI.
```

Q3. Mike had 30 candies and gave 12 to his friend. How many does he have now?

```
mike_candies = 30
mike_frind = 12
print("mike have:", mike_candies - mike_frind,"candies" )
```

```
mike have: 18 candies
```

Q4. Sarah bought 5 pens at $3 each. How much did she spend?

```
sarah_pens = 5
pen_price = 3 #$3
print("she spend:",sarah_pens * pen_price, "dollars")
```

```
she spend: 15 dollars
```

Q5. There are 45 cookies equally divided among 5 kids. How many does each get?

```
cookies = 45
kids = 5
print("each kid get:", cookies / kids, "cookies")
```

```
each kid get: 9.0 cookies
```

Q6. A chocolate costs $2. You have 9. Can you buy 5 chocolates?

```
chocolate_cost = 2
i_have = 9
wanted = 5
total = chocolate_cost * wanted
print("can i buy 5 chocolates:", i_have >= total)
```

```
can i buy 5 chocolates: False
```

Q7. Peter has 5 books, each weighing 1.2 kg. Is the total weight more than 6 kg?

```
books = 5
weight = 1.2 #kgs
total_weigt_of_books = books * weight
expected_weight = 6 #kgs
print("is total weight  more than 6 kg:",total_weigt_of_books > expected_weight)
```

```
is total weight  more than 6 kg: False
```

Q8. A movie ticket costs $12. Can you buy 4 with 50?

```
movie_ticket_cost = 12 #dollars
i_have = 50 #dollars
wanted = 4
total_cost = movie_ticket_cost * wanted
print("can i buy 4:", i_have >= total_cost )
```

```
can i buy 4: True
```

Q9. Is the difference between 100 and 37 greater than 60?

```
x = 100
y = 37
print("Is the difference between 100 and 37 greater than 60:", x - y > 60)
```

```
Is the difference between 100 and 37 greater than 60: True
```

Q10. Does dividing 81 by 9 result in a number greater than 8?

```
first_digit = 81
second_digit = 9
third_digit = 8
print("Does dividing 81 by 9 result in a number greater than 8:", first_digit / second_digit > third_digit)
```

```
Does dividing 81 by 9 result in a number greater than 8: True
```

Q11. Are 5 multiplied by 6 and 30 equal?

```
number_x = 5
number_y = 6
number_z = 30
print("Are 5 multiplied by 6 and 30 equal:", number_x * number_y == number_z)
```

```
Are 5 multiplied by 6 and 30 equal: True
```

Q12. A basket holds 18 apples. If you eat 6, do you have fewer than 15 left?

```
total_apples = 18
eaten_apples = 6
remaining_apples = 15
print("do you have fewer than 15 left:", total_apples - eaten_apples < remaining_apples)
```

```
do you have fewer than 15 left: True
```

Q13. Sam travels 120 km in 2 hours. Is his speed 60 km/hr?

```
distance_travel = 120
time_taken = 2
print("is his speed 60 km/hr:", distance_travel / time_taken == 60)
```

```
is his speed 60 km/hr: True
```

Q14. Is 7 + 3 * 2 equal to 20?

```
ab = 7
cd = 3
de = 2
print(" 7 + 3 * 2 is equal to 20:" , ab + cd * de == 20)
```

```
 7 + 3 * 2 is equal to 20: False
```

Q15. Jane bought 2 pens and 3 pencils. If a pen is $2 and pencil 1, did she spend $9?

```
pens = 2
pencile = 3
pens_cost = 2
```

```
pencile_cost =1
total_spend = 9
print("she did spend 9$:", pens * pens_cost + pencile * pencile_cost == 9)
```

```
she did spend 9$: False
```

Q16. You have 3 boxes, each holding 12 balls. Are total balls more than 35?

```
boxes = 3
balls = 12
total_balls = 35
print("total balls are more than 35:",boxes * balls > total_balls )
```

```
total balls are more than 35: True
```

Q17. Does subtracting 20 from 50 give 30?

```
twenty = 20
fifty = 50
result = 30
print("subtracting 20 from 50 does give 30:", fifty - twenty == result)
```

```
subtracting 20 from 50 does give 30: True
```

Q18. Are 10 + 15 and 5 * 5 equal?

```
A = 10 + 15
B = 5 * 5
print("10 + 15 and 5 * 5 are equal:", A == B)
```

```
10 + 15 and 5 * 5 are equal: True
```

Q19. If a packet has 48 candies, can 6 kids get more than 7 each?

```
candies = 48
kids = 6
print("each kid get more than 7:", candies / kids < 7)
```

```
each kid get more than 7: False
```

Q20. Multiply 4 by 4. Is the result less than 20?

```
value_1 = 4
value_2 = 4
print("Multiply 4 by 4 the result is less than 20:", value_1 * value_2 < 20)
```

```
Multiply 4 by 4 the result is less than 20: True
```

Q21. Add 13 and 7. Is the result divisible by 5?

```
black_papers = 13
blue_papers = 7
print("add 13 and 7. the result is divisible by 5:",black_papers / blue_papers == 5)
```

```
add 13 and 7. the result is divisible by 5: False
```

Q22. 20 apples are equally shared between 5 students. Does each get 4?

```
apples = 20
students = 5
result = 4
print("each get 4:", apples / students == result)
```

```
each get 4: True
```

Q23. Subtract 15 from 60. Is the result equal to 45?

```
xy = 15
ab = 60
result = 45
print("result is equal to 45:", ab - xy == result)
```

```
result is equal to 45: True
```

Q24. If you double 12, is the result more than 25?

```
a = 12
result = 25
print("the result is more than 25:", a * a == result)
```

```
the result is more than 25: False
```

Q25. Are 100 divided by 4 and 25 equal?

```
xyz = 100
abc = 4
print("100 divided by 4 and result are equal to 25:", xyz / 4 == 25)
```

```
100 divided by 4 and result are equal to 25: True
```

Q26. Add 5.5 and 4.5. Is the result 10?

```
first = 5.5
second = 4.5
result = 10
print("add 5.5 and 4.5 the result is equal 10:", first + second == result)
```

```
add 5.5 and 4.5 the result is equal 10: True
```

Q27. A number is 25. If you divide it by 4 using floor division, is the result 6?

```
number_A = 25
number_B = 4
result = 6
print("the result is 6:", number_A // number_B == result)
```

```
the result is 6: True
```

Q28. What is the remainder when 29 is divided by 5? Is it equal to 4?

```
x = 29
y = 5
z = x / y
print("it is equal to 4:" , "reminder is -",z, x / y == 4)
```

```
it is equal to 4: reminder is - 5.8 False
```

Q29. Is 3 ** 4 equal to 81?

```
xy = 3 ** 4
print("3 ** 4 is equal to 81:", "value of xy is =", xy, xy == 81)
```

```
3 ** 4 is equal to 81: value of xy is = 81 True
```

Q30. A bag contains 12 red balls and 8 blue balls. Is red > blue?

```
red_balls = 12
blue_balls = 8
print("the red > blue:",red_balls > blue_balls)
```

```
the red > blue: True
```