NUMERICAL REASONING PRACTICE QUESTIONS

21. 27, 499 round to the nearest hundred is_____?

= 27, 499 ---> drop 99 and change it to 00 and add 1 to the next digit which is 4 since 99 is more than 50.

Therefore **27,500 is the answer. *Ans.**

22. Twenty-four weeks is how many days?

= 24 ~~weeks~~ x 7 days
                  ~~weeks~~

= 24 x 7 days

= 168 days *Ans.

23. Five hundred ninety-five days is how many

weeks?= 595 ~~days~~ x 1 week
                 7 ~~days~~

= 595 week
    7

= 85 weeks *Ans.

24. Eighteen bus loads of 56 students each went to join the Independence Day Celebration. One hundred seventy-four did not go. How many students are there in all?

Number of students

N = (18 x 56) + 174

  = 1008 (174)

= 1182 students *Ans.

25. Richard bowled 3 games and got scores of 139, 153, and 128. What was his average score for the three games?

Average = $\dfrac{139 + 153 + 128}{3}$

$= \dfrac{420}{3}$

= 140 *Ans.

26. What time will it be 3 and 1/2 hours after 7:15 PM?

= 7:15 + 3:30

= 10: 45 PM *Ans.

27. What time was it 3 and 1/2 hours before 7:15 AM?

7:15 - 3:30

Since :15 minutes (7:15) is less than :30 minutes (3:30) you need to borrow an hour to 7 and convert that to minutes. 1 hour = 60 minutes. Now :15 + :60 = 75 minutes.

7:15 is now 6:75

6:75 - 3:30 = **3:45 AM *Ans.**

28. The fraction 52 / 91 expressed in lowest term is_____?

$\dfrac{52}{91}$ = $\dfrac{52 \ / \ 13}{91 \ / \ 13}$

= $\dfrac{4}{7}$ ***Ans.**

29. Car A averages 8 km per liter of fuel. Car B averages 12 km per liter of fuel. If the price of fuel is $10 per liter. How much less would a 600 - km. trip cost for Car A than for Car B?

CAR A :

$\dfrac{600 \ km}{} \times \$10$ = $750

8 km

CAR B :

$\dfrac{600 \text{ km}}{12 \text{ km}}$ x $10   = $500

$750 - $500 = **$250 *Ans.**

30. 40 is what part of 64?

Part = $\dfrac{40}{64}$

= $\dfrac{40 / 8}{64 / 8}$

= $\dfrac{5}{8}$ ***Ans.**

31. Change 13 $\dfrac{3}{7}$ to an improper fraction.

Just multiply 7 to 13 then add 3 and over it by 7.

7 x 13 = 91 + 3 = **94 / 7 *Ans.**

32. What is the average speed in kph of a car travelling 160 kilometers in 5 hours?

Ave. Speed = $\dfrac{\text{distance}}{\text{time}}$

= $\underline{160 \text{ km}}$

5 hrs.

= 32 kph *Ans.

33. $\frac{3}{4} + \frac{1}{6} + \frac{1}{8}$ =_____?

= $\frac{18}{24} + \frac{4}{24} + \frac{3}{24}$

= $\frac{25}{24}$

= 1 $\frac{1}{24}$ *Ans.

34. 15 $\frac{1}{3}$ - 8 $\frac{3}{4}$ =_____?

15 and 1/3 is also =
46/3 8 and 3/4 is also
= 35/4

= $\frac{46}{3}$ - $\frac{35}{4}$

= $\frac{4(46) - 3(35)}{3(4)}$

= $\frac{184 - 105}{12}$

= $\frac{79}{12}$

= 6 $\frac{7}{12}$ *Ans.

35. 8 inches is what part of a foot?

1 FOOT = 12 INCHES

8 inches = 8 ~~inches~~ x $\frac{1 \text{ foot}}{12 \text{ } \sim\sim\text{inches}\sim\sim}$

= $\frac{8}{12}$ ft.

= 2/3 ft. *Ans.