

MATHS(30*3=90)

1. Convert $1\frac{31}{12}$ into a mixed fraction.
 (a) $11\frac{1}{12}$
 (b) $10\frac{11}{12}$
 (c) $11\frac{10}{12}$
 (d) $21\frac{5}{12}$
2. Find the sum of the given fraction: $\frac{2}{5} + \frac{4}{10}$
 (a) $\frac{8}{10}$
 (b) $\frac{4}{10}$
 (c) $\frac{2}{5}$
 (d) $\frac{4}{6}$
3. Find the sum of $11\frac{1}{12} + 15\frac{1}{16}$
 (a) $1\frac{41}{48}$
 (b) $1\frac{5}{48}$
 (c) $2\frac{5}{24}$
 (d) $2\frac{5}{48}$
4. Find the product of the fractions: $(\frac{3}{4}) \times (\frac{2}{5}) \times (\frac{1}{2})$
 (a) $\frac{3}{40}$
 (b) $\frac{3}{20}$
 (c) $\frac{3}{10}$
 (d) $\frac{6}{20}$
5. What should be taken out of $\frac{3}{7}$ to get $\frac{2}{7}$?
 (a) $\frac{5}{7}$
 (b) 1
 (c) $\frac{1}{7}$
 (d) $\frac{3}{7}$
6. Which of the following fractions is not equal to the other three?
 (a) $\frac{4}{5}$
 (b) $\frac{9}{15}$
 (c) $\frac{3}{5}$
 (d) $\frac{6}{10}$
7. Find the reciprocal of the fraction $1\frac{7}{43}$.
 (a) $\frac{17}{43}$
 (b) $\frac{40}{17}$
 (c) $\frac{43}{17}$
 (d) $\frac{33}{17}$
8. Which of the following is the simplest form of the given fraction $\frac{46}{50}$?
 (a) $\frac{46}{50}$
 (b) $\frac{23}{25}$
 (c) $\frac{92}{100}$
 (d) $\frac{21}{25}$
9. What is the sum of $11.1 + 0.11 + 11.01$?
 (a) 22.01
 (b) 22.12
 (c) 22.22
 (d) 21.22
10. Solve: $12.4 \div 3.1$
 (a) 2
 (b) 3
 (c) 4
 (d) 0.5
11. The fraction $2\frac{2}{5}$ is equal to:
 (a) 2.4
 (b) 1.4
 (c) 3.4
 (d) 62
12. Convert the fraction $\frac{125}{100}$ into a decimal number form.
 (a) 12.5
 (b) 1.25
 (c) 125.0
 (d) 0.125
13. Convert the decimal 1.25 into a fraction of simplest form.
 (a) $\frac{3}{2}$
 (b) $\frac{6}{4}$
 (c) $\frac{4}{5}$
 (d) $\frac{5}{4}$
- Q14. Find the value of $3 \times 0.3 \times 0.003 \times 0 \times 30$.
 (a) 81
 (b) 8.1
 (c) 0.81
 (d) 0
15. If 90.0675 is divided by 15, then quotient is
 (a) 6.0095

- (b) 6.0450
- (c) 60.0450
- (d) 0.6045

16. A piece of wire $\frac{7}{8}$ meter long broke into two pieces. One piece was $\frac{1}{4}$ meter long. How long is the other piece?

- (a) $\frac{4}{8}$ m
- (b) $\frac{5}{8}$ m
- (c) $\frac{6}{8}$ m
- (d) $\frac{7}{8}$ m

17. The fraction equivalent to 1.25 is

- (a) $1\frac{1}{4}$
- (b) $12\frac{1}{2}$
- (c) $1\frac{1}{8}$
- (d) $12\frac{1}{4}$

18. Ritu has $\frac{1}{4}$ of a sack of rice. She divides the rice equally into 7 bags. What fraction of the full sack of rice is in each bag?

- (a) $\frac{1}{28}$
- (b) $\frac{1}{7}$
- (c) $\frac{2}{11}$
- (d) $\frac{11}{28}$

19. $1 + 0 + \frac{9}{100} + \frac{3}{1000}$ is equal to

- (a) 1.093
- (b) 1.903
- (c) 1.93
- (d) 1.0093

20. What is the sum of 20.08, 20.008, 20.088 and 20.888?

- (a) 81.064
- (b) 81.604
- (c) 80.064
- (d) 80.888

21. Which of the following numbers are arranged in ascending order?

- (a) $\frac{1}{3}$, $\frac{1}{2}$, 0.25
- (b) 0.25, $\frac{1}{2}$, $\frac{1}{3}$
- (c) 0.25, $\frac{1}{3}$, $\frac{1}{2}$
- (d) $\frac{1}{2}$, $\frac{1}{3}$, 0.25

22. Amar spent $\frac{3}{8}$ of his time studying Science. He spent $\frac{2}{5}$ as much time studying English as Science. What fraction

of Amar's study time was spent studying English?

- (a) $\frac{1}{40}$
- (b) $\frac{3}{20}$
- (c) $\frac{31}{40}$
- (d) $\frac{15}{16}$

23. What is the decimal value of

$$1 + \frac{1}{5} + \frac{1}{50} + \frac{1}{500} + \frac{1}{5000} ?$$

- (a) 1.2222
- (b) 2.2222
- (c) 1.0550
- (d) 3.1111

24. Arrange the following fraction in ascending order (use $<$ symbol).

$$\frac{5}{7}, \frac{5}{4}, \frac{5}{19}, \frac{5}{17}$$

- (a) $\frac{5}{19} < \frac{5}{17} < \frac{5}{7} < \frac{5}{4}$
- (b) $\frac{5}{4} < \frac{5}{7} < \frac{5}{17} < \frac{5}{19}$
- (c) $\frac{5}{17} > \frac{5}{7} > \frac{5}{19} > \frac{5}{4}$
- (d) $\frac{5}{7} < \frac{5}{4} < \frac{5}{17} < \frac{5}{19}$

25. The decimal form of fraction $\frac{5}{8}$ is

- (a) 0.58
- (b) 0.62
- (c) 0.625
- (d) 0.652

26. what is the decimal value of $1 + \frac{1}{5} + \frac{1}{500} + \frac{1}{5000}$?

- a. 1.2222
- b. 2.2222
- c. 1.0555
- d. 3.1111

27. what is the sum of 20.08, 20.008, 20.088 and 20.888?

- a. 81.064
- b. 81.604
- c. 80.064
- d. 80.888

28. find the value of $54 \div 0.009$?

- a. 0.006
- b. 6.0
- c. 6000
- d. 48.6

29. find the fraction equal to $\frac{1}{2}$?

- a. $\frac{3}{5}$

b. $\frac{5}{7}$
c. $\frac{6}{12}$
d. $\frac{2}{1}$

$30.2/7 + 1/3 =$
a. $\frac{13}{21}$
b. $\frac{17}{21}$
c. $\frac{15}{21}$
d. $\frac{2}{7}$

31. Which iron?
A) An
B) S
C) T
D) U