1. Convert mixed fraction $4\frac{1}{8}$ into improper fraction.

(a) $\frac{32}{8}$ (b) $\frac{4}{3}$ (c) $\frac{20}{3}$ (d) $\frac{33}{8}$

2. Simplest form of fraction $\frac{270}{315}$ is

(a) $\frac{6}{7}$ (b) $\frac{7}{6}$ (c) $\frac{27}{31}$ (d) $\frac{70}{15}$

3. Latika reads $1\frac{1}{2}$ hours daily. Priyanka reads $\frac{3}{4}$ hour daily. For how much time they read in one day?

(a) 2 hours (b) 1 hour (c) $\frac{7}{4}$ hours (d) $\frac{9}{4}$ hours

4. Simplify : $\frac{3}{7}-\frac{1}{14}-\frac{5}{21}$

(a) $\frac{45}{42}$ (b) $\frac{1}{14}$ (c) $\frac{5}{21}$ (d) $\frac{8}{14}$

5. In a box there are 50 balls. $\frac{3}{5}$ of these are black and rest are white. Find the number of white balls.

(a) 20 (b) 30 (c) 40 (d) 10

6. Zero divided by any fraction gives

(a) the same fraction (b) can't be divided

(c) zero (d) depends on the fraction

7. Simplify : $6\frac{1}{4}\div 2\frac{3}{5}$

(a) $\frac{86}{20}$ (b) $\frac{52}{125}$ (c) $\frac{125}{52}$ (d) $\frac{28}{23}$

8. Divide $4\frac{2}{3}$ by 7 and represents the result in its lowest form.

(a) $\frac{4}{3}$ (b) $\frac{1}{3}$ (c) $\frac{2}{3}$ (d) $\frac{1}{2}$

9. A bucket contains $20\frac{1}{4}$ litres of water. How many If jugs of capacity $\frac{3}{4}$ litre can be filled with water from this bucket?

(a) 7 (b) 12 (c) 15 (d) 27

10. Which of the following is correct for $10087\,cm$?

(a) $100m87cm$ (b) $0.01km87cm$ (c) $0.1km0.87cm$ (d) Both (a) and (c)

11. How much $75.3km$ is less than $83.6km$?

(a) $8.1km$ (b) $8.2km$ (c) $8.3km$ (d) $8.4km$

12. Product of 1.3 and 0.6 as a fraction is

(a) $\frac{50}{93}$ (b) $\frac{39}{50}$ (c) $\frac{50}{39}$ (d) $\frac{93}{50}$

13. $786.39425 \times 1000 =$

(a) 786394.25 (b) 78639.425 (c) 0.78639425 (d) 7863.9425

14. What is the quotient when 0.7 is divided by 0.07 ?

(a) 10 (b) 0.001 (c) 0.01 (d) 0.1

15. Each side of the polygon is 3.5cm in length. The perimeter of the polygon is 17.5cm . Find the number of sides of the polygon.

(a) 3 (b) 4 (c) 5 (d) 6

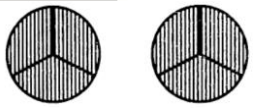
16. The product of two decimals is 136.369 . If one of the decimals is 2.65 , find the other.

(a) 36.41 (b) 41.46 (c) 46.51 (d) 51.46

17. Pictorial representation of $3 \times \frac{2}{3}$ is

(a) 

(b) 

(c) 

(d) 

18. $\frac{5}{7} \div 6$ is equal to

(a) $\frac{30}{7}$ (b) $\frac{5}{42}$ (c) $\frac{30}{42}$ (d) $\frac{6}{7}$

19. Which of the following represents $\frac{1}{3}$ of $\frac{1}{6}$?

(a) $\frac{1}{3}+\frac{1}{6}$ (b) $\frac{1}{3}-\frac{1}{6}$ (c) $\frac{1}{3}\times\frac{1}{6}$ (d) $\frac{1}{3}\div\frac{1}{6}$

20. One packet of biscuits requires $2\frac{1}{2}$ cups of flour and $1\frac{2}{3}$ cups of sugar. Estimated total quantity of both ingredients used in 10 such packets of biscuits will be

(a) less than 30 cups (b) between 30 cups and 40 cups

(c) between 40 cups and 50 cups (d) above 50 cups

21. Assertion: Fraction $\frac{2}{3}$ is in its lowest form.

Reason: A fraction $\frac{x}{y}$ is said to be in its lowest form, if the H.C.F. of x and y is 1.

(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.

(b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

(c) If Assertion is true but Reason is false.

(d) If Assertion is false but reason is true.

22. Assertion: The value of 0.55×12 is 0.6600.

Reason: To multiply a decimal number by a whole number, we first multiply them considering as whole numbers. Then place the decimal point in the product as in the decimal number.

(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.

(b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

(c) If Assertion is true but Reason is false.

(d) If Assertion is false but reason is true.

23. Assertion: $71.1 \div 0.0009 = 79000$.

Reason: To divide two decimal numbers, we convert them into fractions and then divide as fractions. The resultant fraction is then converted into a decimal number.

(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.

(b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

(c) If Assertion is true but Reason is false.

(d) If Assertion is false but reason is true.