Class:6

Subject: Mathematics

Chapter: Fractions

<div align="center"><u>**ANSWER KEY**</u></div>

Q1. Find the value of missing numbers. For example, 1. $\underline{\text{4 x 70}}$ **= 280**   **= 10 Ans**
<div align="center">28   28</div>

<u>Q1.</u>   Find the value of the missing numbers.

1. $\dfrac{4}{10} = \dfrac{28}{70}$

2. $\dfrac{1}{2} = \dfrac{4}{8}$

3. $\dfrac{2}{3} = \dfrac{18}{27}$

4. $\dfrac{4}{6} = \dfrac{16}{24}$

5. $\dfrac{1}{8} = \dfrac{8}{64}$

6. $\dfrac{2}{4} = \dfrac{8}{16}$

7. $\dfrac{1}{5} = \dfrac{10}{50}$

8. $\dfrac{2}{6} = \dfrac{4}{12}$

9. $\dfrac{7}{12} = \dfrac{14}{24}$

10. $\dfrac{3}{5} = \dfrac{6}{10}$

11. $\dfrac{2}{10} = \dfrac{8}{40}$

12. $\dfrac{3}{4} = \dfrac{18}{24}$

13. $\dfrac{7}{8} = \dfrac{63}{72}$

14. $\dfrac{1}{2} = \dfrac{9}{18}$

Q2. Example 1. 4/8 = 1/2   Answer.

Simplify the fractions.

1. $\frac{4}{8} = \frac{1}{2}$

2. $\frac{14}{50} = \frac{7}{25}$

3. $\frac{46}{60} = \frac{23}{30}$

4. $\frac{81}{126} = \frac{9}{14}$

5. $\frac{54}{72} = \frac{3}{4}$

6. $\frac{8}{128} = \frac{1}{16}$

7. $\frac{35}{60} = \frac{7}{12}$

8. $\frac{72}{108} = \frac{2}{3}$

9. $\frac{21}{63} = \frac{1}{3}$

10. $\frac{10}{30} = \frac{1}{3}$

11. $\frac{6}{45} = \frac{2}{15}$

12. $\frac{5}{10} = \frac{1}{2}$

13. $\frac{9}{24} = \frac{3}{8}$

14. $\frac{50}{125} = \frac{2}{5}$

Q3. Comparing the fractions and put the correct sign <,=,>

$\frac{1}{4}$ $<$ $\frac{3}{8}$ 　　　　　　 $\frac{4}{6}$ $=$ $\frac{2}{3}$

$\frac{2}{3}$ $>$ $\frac{1}{5}$ 　　　　　　 $\frac{3}{4}$ $<$ $\frac{7}{8}$

Q4

A) Choose the correct equivalent fraction in each problem.

1. $\frac{2}{16} = ?$ a) $\frac{1}{4}$ b) $\frac{1}{8}$ c) $\frac{4}{20}$ d) $\frac{3}{18}$

2. $\frac{1}{3} = ?$ a) $\frac{3}{15}$ b) $\frac{2}{14}$ c) $\frac{8}{24}$ d) $\frac{5}{10}$

3. $\frac{25}{10} = ?$ a) $\frac{5}{2}$ b) $\frac{10}{16}$ c) $\frac{1}{5}$ d) $\frac{30}{20}$

4. $\frac{4}{12} = ?$ a) $\frac{14}{6}$ b) $\frac{3}{18}$ c) $\frac{1}{2}$ d) $\frac{6}{18}$

5. $\frac{36}{45} = ?$ a) $\frac{9}{5}$ b) $\frac{4}{5}$ c) $\frac{15}{25}$ d) $\frac{2}{18}$

6. $\frac{3}{18} = ?$ a) $\frac{5}{30}$ b) $\frac{1}{9}$ c) $\frac{4}{16}$ d) $\frac{1}{2}$

Answer. 1b, 2a,3a,4d,5b,6a

Q5. Arrange in ascending and descending order.

1 a. $\frac{3}{2}$, $\frac{7}{11}$, $\frac{3}{5}$ 1 b. $\frac{5}{8}$, $\frac{3}{8}$, $\frac{7}{8}$

ANSWER

1a. LCM of Denominator 2,11,5. = 110 therefore

3/2x55/55= 165/110

7/11 x 10/10 =70/110

3/5x22/22= 66/110

Therefore, Ascending Order = 66/110, 70/110, 165/110

3/5 ,7/11 , 3/2

Descending Order= 165/110 , 70/110 , 66,110

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Therefore 3/2 , 7/11, 7/11

1b. **Ascending Order = 3/8 , 5/8 ,7/8**

Descending Order = 7/8 , 5/8 , 3/8

HOMEWORK

Q1. Find the equivalent fraction of 1/3.

ANSWER= 2/6 , 3/9 ,4/12

Q2.Aarti scored 25 marks out of 30 in Maths test and 35 out of 42 in Science test. In which test she scored better?

Solution

Math = 25/30

=5/6

Science= 35/42

= 5/6

Therefore,Aarti scored same in both the test.