1. **Find out:**

   a) $\frac{6}{8}$ of 48

   $48 \div 8 = 6$

   $6 \times 6 = 36$

   Ans. $\frac{6}{8}$ of 48 is **36**

   b) $\frac{7}{11}$ of 88

   $88 \div 11 = 8$

   $7 \times 8 = 56$

   Ans. $\frac{7}{11}$ of 88 is **56**

2. **Find how many minutes are there in –**

   a) One – fifth hour

   One hour = 60 minutes

   $\therefore \frac{1}{5}$ hour $= 60 \div 5 =$ **12** minutes

   b) Half of an hour

   One hour = 60 minutes

   $\therefore \frac{1}{2}$ hour $= 60 \div 2 =$ **30** minutes

3. **Find three fractions equivalent to each:**

   a) $\frac{2}{5} = \frac{4}{10} = \frac{6}{15} = \frac{8}{20}$

   b) $\frac{5}{7} = \frac{10}{14} = \frac{15}{21} = \frac{20}{28}$

4. **Write equivalent fractions by division:**

   a) $\frac{15}{21} = \frac{15 \div 3}{21 \div 3} = \frac{\mathbf{5}}{\mathbf{7}}$

   b) $\frac{28}{35} = \frac{28 \div 7}{35 \div 7} = \frac{\mathbf{4}}{\mathbf{5}}$

5. **Complete the equivalent fractions:**

   a) $\frac{2}{7} = \frac{4}{14} = \frac{\mathbf{6}}{21} = \frac{8}{\mathbf{28}} = \frac{\mathbf{10}}{35}$

   b) $\frac{5}{8} = \frac{\mathbf{10}}{16} = \frac{15}{\mathbf{24}} = \frac{\mathbf{20}}{32} = \frac{25}{\mathbf{40}}$

6. a) Write 6 equivalent fractions of $\frac{7}{9}$

$$\frac{7}{9} \times \frac{2}{2} = \frac{14}{18}$$

$$\frac{7}{9} \times \frac{3}{3} = \frac{21}{27}$$

$$\frac{7}{9} \times \frac{4}{4} = \frac{28}{36}$$

$$\frac{7}{9} \times \frac{5}{5} = \frac{35}{45}$$

$$\frac{7}{9} \times \frac{6}{6} = \frac{42}{54}$$

$$\frac{7}{9} \times \frac{7}{7} = \frac{49}{63}$$

b) Write 7 equivalent fractions of $\frac{6}{7}$

$$\frac{6}{7} \times \frac{2}{2} = \frac{12}{14}$$

$$\frac{6}{7} \times \frac{3}{3} = \frac{18}{21}$$

$$\frac{6}{7} \times \frac{4}{4} = \frac{24}{28}$$

$$\frac{6}{7} \times \frac{5}{5} = \frac{30}{35}$$

$$\frac{6}{7} \times \frac{6}{6} = \frac{36}{42}$$

$$\frac{6}{7} \times \frac{7}{7} = \frac{42}{49}$$

$$\frac{6}{7} \times \frac{8}{8} = \frac{48}{56}$$

7. Find the greatest and the smallest fractions.

When numerators are equal, the fraction with smaller denominator is greater and the fraction with greater denominator is smaller.

a) $\frac{8}{23}$ $\frac{8}{17}$ $\frac{8}{25}$ $\frac{8}{13}$

Ans. Greatest fraction = $\frac{8}{13}$

Smallest fraction = $\frac{8}{25}$

b) $\frac{15}{24}$ $\frac{15}{17}$ $\frac{15}{22}$ $\frac{15}{19}$

Ans. Greatest fraction = $\frac{15}{17}$

Smallest fraction = $\frac{15}{24}$

8. Arrange in ascending order.

a) $\dfrac{7}{23}, \dfrac{9}{23}, \dfrac{19}{23}, \dfrac{21}{23}$

b) $\dfrac{3}{25}, \dfrac{9}{25}, \dfrac{12}{25}, \dfrac{21}{25}$

9. Arrange in descending order:

a) $\dfrac{19}{22}, \dfrac{17}{22}, \dfrac{11}{22}, \dfrac{3}{22}$

b) $\dfrac{17}{19}, \dfrac{15}{19}, \dfrac{13}{19}, \dfrac{7}{19}$

10. Compare the following fractions and write > or < in the box.

When numerators are equal, the fraction with smaller denominator is greater.

a) $\dfrac{11}{25}$ $\boxed{<}$ $\dfrac{11}{18}$

b) $\dfrac{7}{17}$ $\boxed{>}$ $\dfrac{7}{27}$

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