

$$45^\circ = \frac{45}{360} = \frac{3 \times 3 \times 5 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{3} \times \cancel{3} \times \cancel{5} \times 1}{2 \times 2 \times 2 \times \cancel{3} \times \cancel{3} \times \cancel{5} \times 1} = \frac{1}{2 \times 2 \times 2 \times 1} = \frac{1}{8}$$

$$60^\circ = \frac{60}{360} = \frac{2 \times 2 \times 3 \times 5 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{2} \times \cancel{2} \times \cancel{3} \times \cancel{5} \times 1}{\cancel{2} \times \cancel{2} \times 2 \times 3 \times \cancel{3} \times \cancel{5} \times 1} = \frac{1}{2 \times 3 \times 1} = \frac{1}{6}$$

$$90^\circ = \frac{30}{360} = \frac{2 \times 3 \times 3 \times 5 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{2} \times \cancel{3} \times \cancel{3} \times \cancel{5} \times 1}{\cancel{2} \times 2 \times 2 \times \cancel{3} \times \cancel{3} \times \cancel{5} \times 1} = \frac{1}{2 \times 2 \times 1} = \frac{1}{4}$$

$$30^\circ = \frac{30}{360} = \frac{2 \times 3 \times 5 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{2} \times \cancel{3} \times \cancel{5} \times 1}{\cancel{2} \times 2 \times 2 \times \cancel{3} \times 3 \times \cancel{5} \times 1} = \frac{1}{2 \times 2 \times 3 \times 1} = \frac{1}{12}$$

$$20^\circ = \frac{20}{360} = \frac{2 \times 2 \times 5 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{2} \times \cancel{2} \times \cancel{5} \times 1}{\cancel{2} \times \cancel{2} \times 2 \times 3 \times 3 \times \cancel{5} \times 1} = \frac{1}{2 \times 3 \times 3 \times 1} = \frac{1}{18}$$

$$18^\circ = \frac{18}{360} = \frac{2 \times 3 \times 3 \times 1}{2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 1}$$

$$= \frac{\cancel{2} \times \cancel{3} \times \cancel{3} \times 1}{\cancel{2} \times 2 \times 2 \times \cancel{3} \times \cancel{3} \times 5 \times 1} = \frac{1}{2 \times 2 \times 5 \times 1} = \frac{1}{20}$$