Comparing Fractions to Decimals with Number Line   Name:

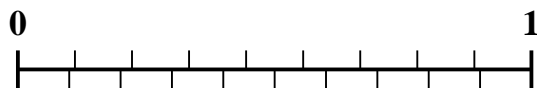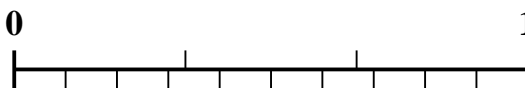**Use the number line to solve each problem.**

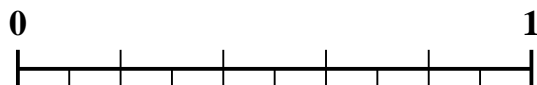**1)** Which amount is larger, $\frac{2}{9}$ or 0.4?

0   **1**

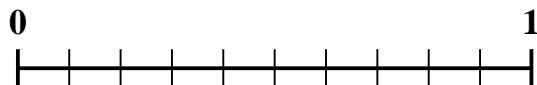**2)** Which amount is larger, $\frac{1}{3}$ or 0.46?

0   **1**

3) Which amount is larger, $\frac{3}{5}$ or 0.45?

0   **1**

4) Which amount is larger, $\frac{3}{6}$ or 0.63?

0   **1**

5) Which amount is larger, $\frac{9}{10}$ or 0.7?

0   **1**

6) Which amount is larger, $\frac{7}{9}$ or 0.61?

0   **1**

7) Which amount is larger, $\frac{3}{8}$ or 0.55?

0   **1**

8) Which amount is larger, $\frac{3}{7}$ or 0.23?

0   **1**

9) Which amount is larger, $\frac{2}{7}$ or 0.42?

0   **1**

10) Which amount is larger, $\frac{4}{8}$ or 0.4?

0   **1**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Use the number line to solve each problem.
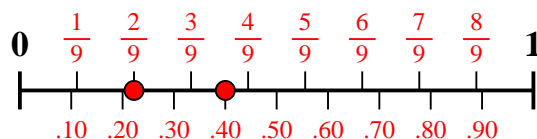
1) Which amount is larger, $\frac{2}{9}$ or 0.4?

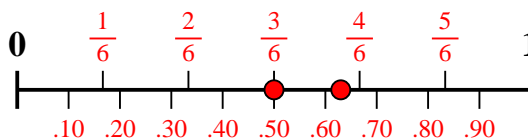$$0 \quad \frac{1}{9} \quad \frac{2}{9} \quad \frac{3}{9} \quad \frac{4}{9} \quad \frac{5}{9} \quad \frac{6}{9} \quad \frac{7}{9} \quad \frac{8}{9} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

2) Which amount is larger, $\frac{1}{3}$ or 0.46?

$$0 \quad \frac{1}{3} \quad \frac{2}{3} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

3) Which amount is larger, $\frac{3}{5}$ or 0.45?

$$0 \quad \frac{1}{5} \quad \frac{2}{5} \quad \frac{3}{5} \quad \frac{4}{5} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

4) Which amount is larger, $\frac{3}{6}$ or 0.63?

$$0 \quad \frac{1}{6} \quad \frac{2}{6} \quad \frac{3}{6} \quad \frac{4}{6} \quad \frac{5}{6} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

5) Which amount is larger, $\frac{9}{10}$ or 0.7?

$$0 \quad \frac{1}{10} \quad \frac{2}{10} \quad \frac{3}{10} \quad \frac{4}{10} \quad \frac{5}{10} \quad \frac{6}{10} \quad \frac{7}{10} \quad \frac{8}{10} \quad \frac{9}{10} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

6) Which amount is larger, $\frac{7}{9}$ or 0.61?

$$0 \quad \frac{1}{9} \quad \frac{2}{9} \quad \frac{3}{9} \quad \frac{4}{9} \quad \frac{5}{9} \quad \frac{6}{9} \quad \frac{7}{9} \quad \frac{8}{9} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

7) Which amount is larger, $\frac{3}{8}$ or 0.55?

$$0 \quad \frac{1}{8} \quad \frac{2}{8} \quad \frac{3}{8} \quad \frac{4}{8} \quad \frac{5}{8} \quad \frac{6}{8} \quad \frac{7}{8} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

8) Which amount is larger, $\frac{3}{7}$ or 0.23?

$$0 \quad \frac{1}{7} \quad \frac{2}{7} \quad \frac{3}{7} \quad \frac{4}{7} \quad \frac{5}{7} \quad \frac{6}{7} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

9) Which amount is larger, $\frac{2}{7}$ or 0.42?

$$0 \quad \frac{1}{7} \quad \frac{2}{7} \quad \frac{3}{7} \quad \frac{4}{7} \quad \frac{5}{7} \quad \frac{6}{7} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90

10) Which amount is larger, $\frac{4}{8}$ or 0.4?

$$0 \quad \frac{1}{8} \quad \frac{2}{8} \quad \frac{3}{8} \quad \frac{4}{8} \quad \frac{5}{8} \quad \frac{6}{8} \quad \frac{7}{8} \quad 1$$

.10 .20 .30 .40 .50 .60 .70 .80 .90
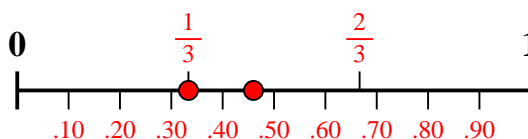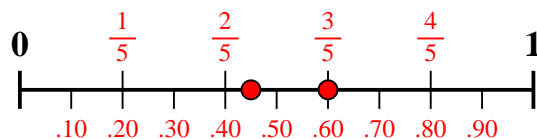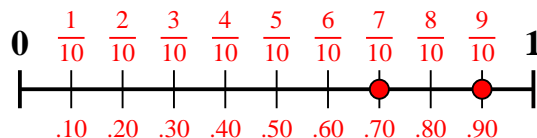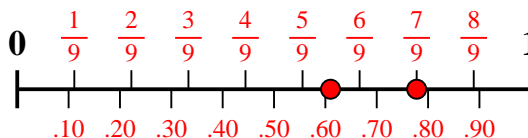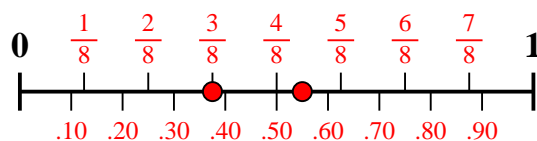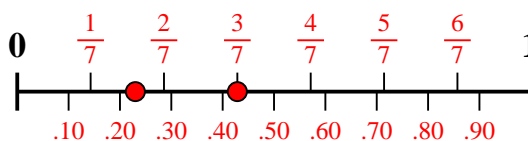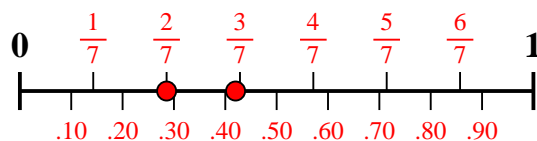
Answers

1. **0.4**
2. **0.46**
3. $\frac{3}{5}$
4. **0.63**
5. $\frac{9}{10}$
6. $\frac{7}{9}$
7. **0.55**
8. $\frac{3}{7}$
9. **0.42**
10. $\frac{4}{8}$