

Fractions on the Number Line

ANSWER KEY

Grade 3 · Unit 5 · Fractions

Part A · What fraction is at the point?

1. **$\frac{1}{4}$**

0–1 line cut into 4 equal parts; bold ★ tick is at label index 1 (1st tick after 0). Name the fraction.

2. **$\frac{2}{3}$**

0–1 line cut into 3 equal parts; ★ at label index 2 (2nd tick after 0). Name the fraction.

3. **$\frac{4}{6}$**

0–1 line cut into 6 equal parts; ★ at label index 4 (4th tick after 0). Name the fraction.

4. **$\frac{2}{8}$ (= $\frac{1}{4}$)**

0–1 line cut into 8 equal parts; ★ at label index 2 (2nd tick after 0). Name the fraction.

Part B · Draw an arrow (↑) below the number line at the fraction shown.

5. **Arrow on the 1st tick after 0 (one third of the way from 0 to 1)**

Mark $\frac{1}{3}$ on a 0–1 line in thirds (3 parts, ticks unlabeled between 0 and 1).

6. **Arrow on the 3rd tick after 0 — the tick just before 1**

Mark $\frac{3}{4}$ on a 0–1 line in fourths (4 parts).

7. **Arrow on the 5th tick after 0 — the tick just before 1**

Mark $\frac{5}{6}$ on a 0–1 line in sixths (6 parts).

8. **Arrow on the 7th tick after 0 — the tick just before 1**

Mark $\frac{7}{8}$ on a 0–1 line in eighths (8 parts).

Part C · Label ALL the tick marks with fractions.

9. **0, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, 1 (2/4 may also be written $\frac{1}{2}$; 4/4 for 1)**

Label every tick on a 0–1 line cut into fourths (5 ticks; only 0 and 1 pre-printed).

10. **0, $\frac{1}{6}$, $\frac{2}{6}$, $\frac{3}{6}$, $\frac{4}{6}$, $\frac{5}{6}$, 1 (6/6 for 1)**

Label every tick on a 0–1 line cut into sixths (7 ticks; only 0 and 1 pre-printed).

Part D · Answer these.

11. **$\frac{2}{4}$**

On a 0–1 line cut into 4 equal parts, which fraction sits at the same point as $\frac{1}{2}$?

12. **$\frac{5}{6}$**

Which is closer to 1: $\frac{5}{6}$ or $\frac{4}{6}$?

Answers derived from the worksheet's own source data and independently re-checked.