Diagnostic test before the fractions unit, with the reading grid

The questions are for students; the grid is for the teacher. This test is not graded: put ✓ or ✗ in each cell, then place each student in the group of the first mistake in their row.

Question	Your answer
1. Which is larger, $\frac{1}{3}$ or $\frac{1}{8}$? Explain in a sentence.	
2. Which is larger, $\frac{3}{8}$ or $\frac{2}{3}$? Explain in a sentence.	
3. Draw a number line from 0 to 4 and mark $\frac{3}{4}$ on it.	
4. Complete: $\frac{2}{3} = \frac{\square}{12}$	
5. $\frac{1}{2} + \frac{1}{3}$	
6. $\frac{3}{4} + \frac{1}{8}$	
7. $3 - \frac{1}{4}$	
8. What is $\frac{2}{3}$ of 18?	

Student	1	2	3	4	5	6	7	8	Group

Reading grid — A: a mistake in 1–3 · B: a mistake in 4 · C: mistakes in 5–8 only · D: no mistake

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