

Fraction Division Warm-Up Examples

Handwritten examples of fraction division using area models and arrays.

Example 1: $\frac{1}{2} \div \frac{1}{2}$

Array 1: $\frac{1}{2} \div \frac{1}{2}$ (1 column, 2 rows)

Array 2: $\frac{3}{4} \div \frac{1}{2}$ (3 columns, 2 rows)

Array 3: $\frac{5}{6} \div \frac{1}{2}$ (5 columns, 2 rows)

Array 4: $\frac{7}{8} \div \frac{1}{2}$ (7 columns, 2 rows)

Result: $\frac{1}{2}$

Example 2: $\frac{1}{4}$

Array 1: $\frac{3}{4} \div \frac{1}{4}$ (3 columns, 2 rows)

Array 2: $\frac{5}{6} \div \frac{1}{6}$ (5 columns, 2 rows)

Array 3: $\frac{4}{12} \div \frac{1}{12}$ (4 columns, 2 rows)

Array 4: $\frac{13}{16} \div \frac{1}{16}$ (13 columns, 2 rows)

Result: $\frac{1}{4}$

Example 3: $\frac{1}{8}$

Array 1: $\frac{2}{8} \div \frac{1}{8}$ (2 columns, 2 rows)

Array 2: $\frac{4}{8} \div \frac{1}{8}$ (4 columns, 2 rows)

Array 3: $\frac{16}{24} \div \frac{1}{24}$ (16 columns, 2 rows)

Array 4: $\frac{27}{36} \div \frac{1}{36}$ (27 columns, 2 rows)

Result: $\frac{1}{8}$

Example 4: $\frac{2}{3}$

Array 1: $\frac{1}{3} \div \frac{1}{3}$ (1 column, 2 rows)

Array 2: $\frac{2}{3} \div \frac{1}{3}$ (2 columns, 2 rows)

Array 3: $\frac{4}{6} \div \frac{1}{3}$ (4 columns, 2 rows)

Array 4: $\frac{5}{6} \div \frac{1}{3}$ (5 columns, 2 rows)

Result: $\frac{2}{3}$

Additional notes: Circled numbers 8, 16, and 32 are present in the work.

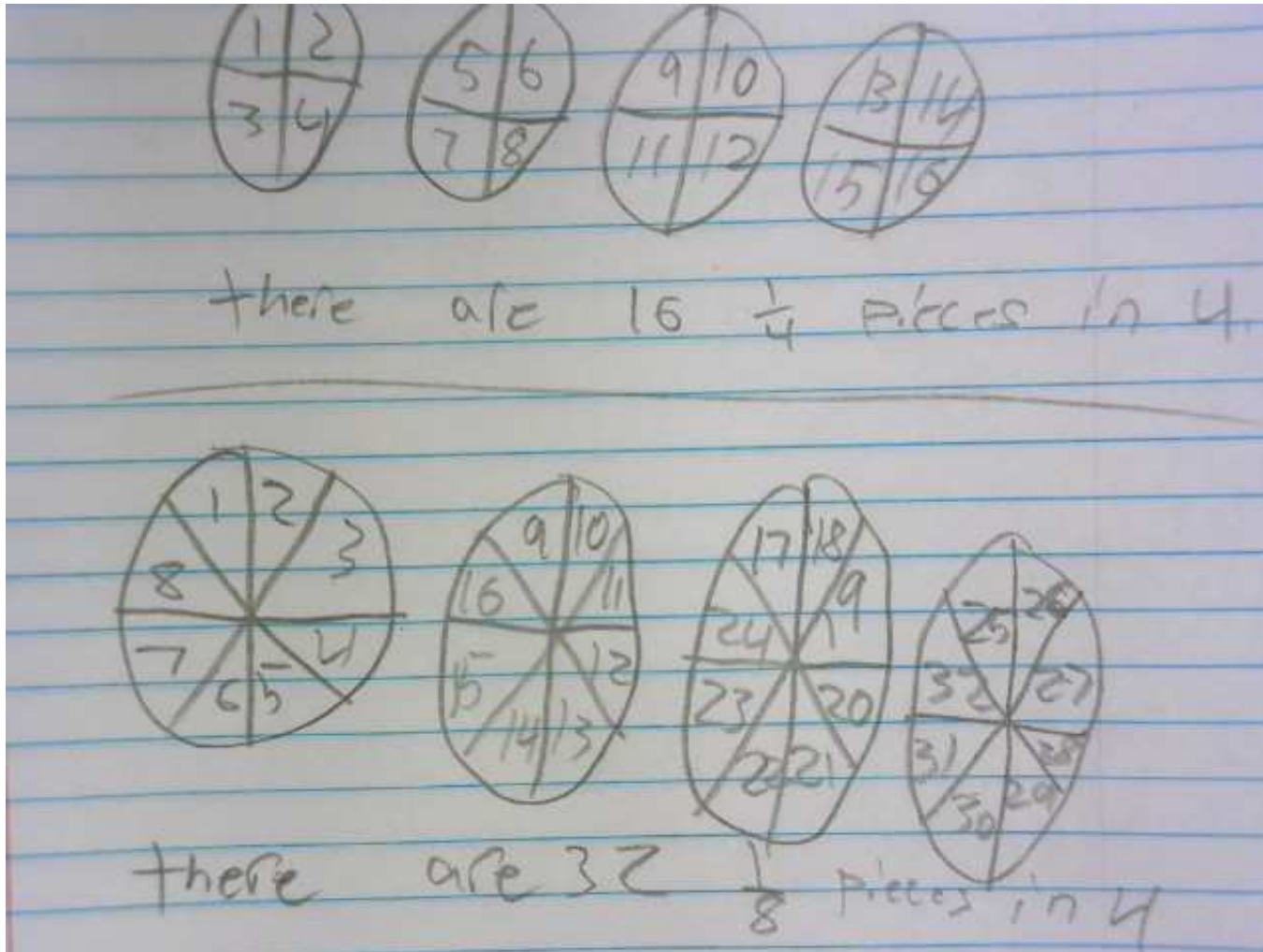
Fraction Division Warm-Up Examples

The image shows two examples of fraction division on lined paper. Each example uses pie charts to represent the division of a whole into smaller pieces.

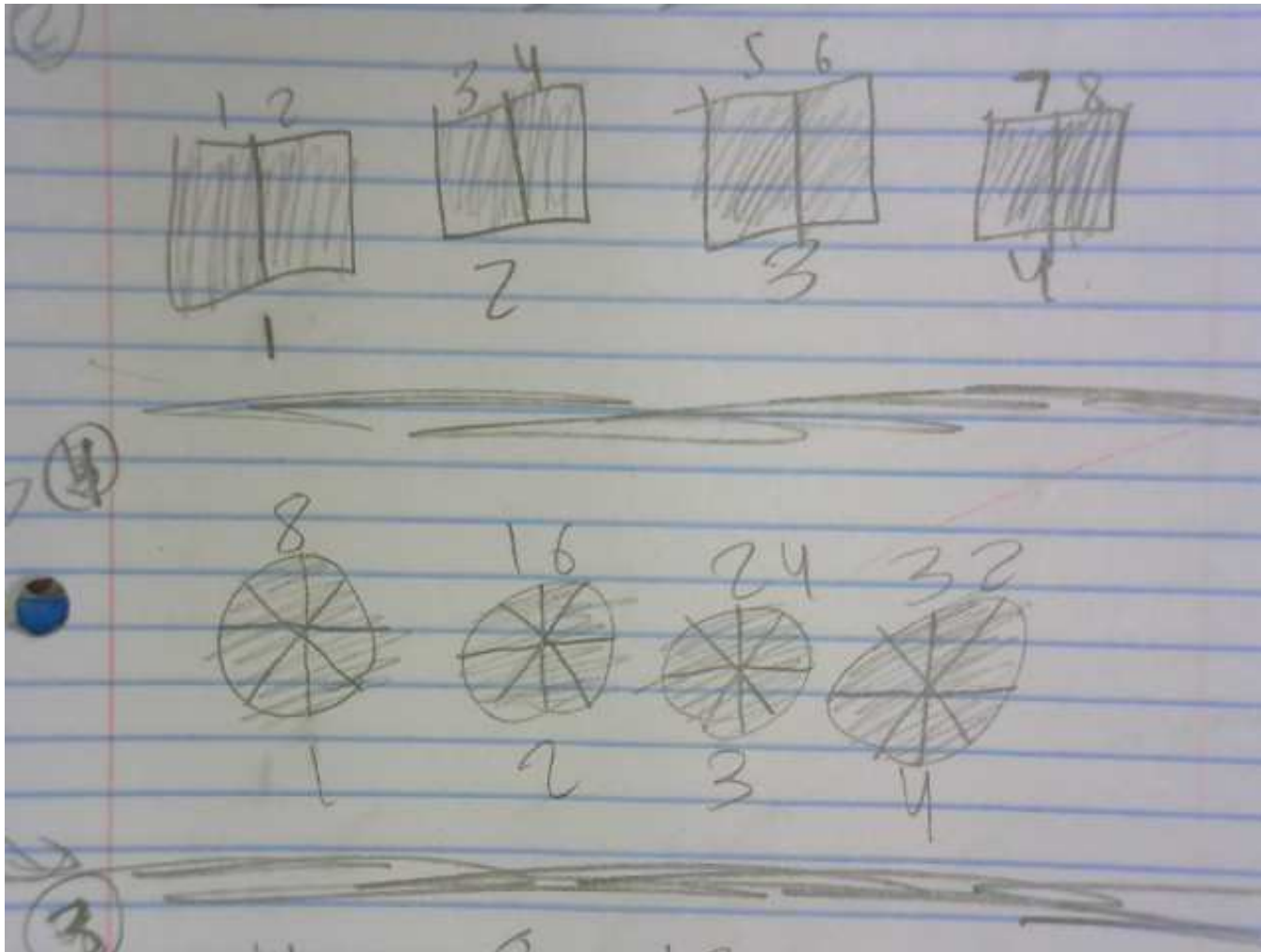
Example 1: Four pie charts are shown, each divided into two equal halves. The numbers in the halves are (1, 2), (3, 4), (5, 6), and (7, 8). Below the charts, the text reads: "there are $8 \frac{1}{2}$ pieces of $\frac{1}{2}$ ".

Example 2: Four pie charts are shown, each divided into four equal quadrants. The numbers in the quadrants are (1, 2, 3, 4), (5, 6, 7, 8), (9, 10, 11, 12), and (13, 14, 15, 16). Below the charts, the text reads: "there are $16 \frac{1}{4}$ pieces in 4".

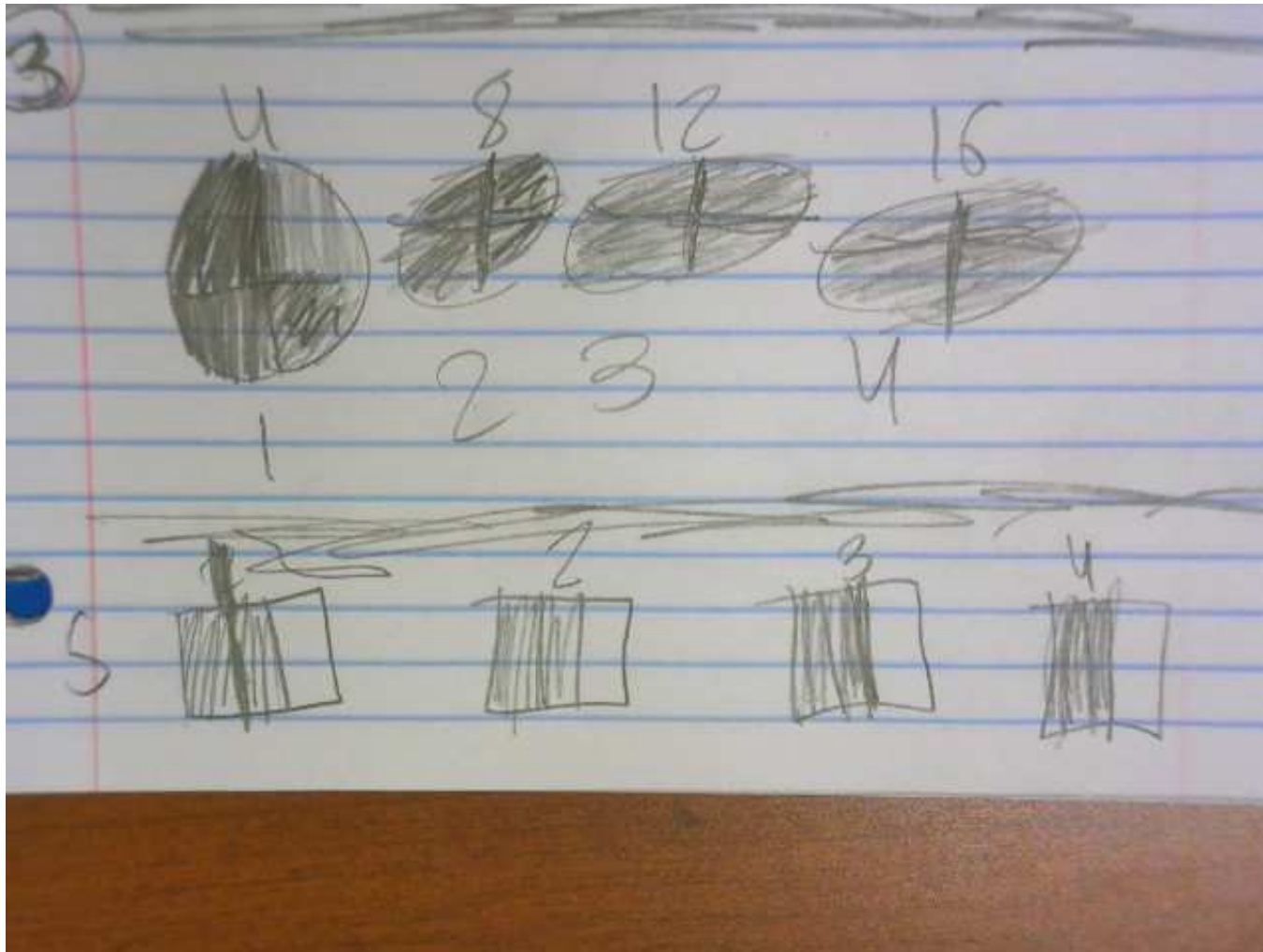
Fraction Division Warm-Up Examples



Fraction Division Warm-Up Examples



Fraction Division Warm-Up Examples



Fraction Division Warm-Up Examples

