



A fraction as division

GRADE 5 MATH

Name _____

Date _____

Say more-or-less-than-one before you calculate. Then write the division, then the answer.

WORKED EXAMPLE

A fraction IS a division: top divided by bottom. The bottom is how many are sharing. If there are fewer things than sharers, every share is less than one.

1. Write as divisions and work out: $1/2$, $2/3$, $3/4$, $5/8$.

FLUENCY

Show your thinking

Answer

2. Work out as mixed numbers: $13/4$, $17/5$, $9/2$.

FLUENCY

Show your thinking

Answer

3. 4 pizzas are shared between 6 people. How much each? Say more or less than one first.

APPLICATION

Show your thinking

Answer

4. 7 metres of ribbon is cut into 4 equal lengths. How long is each?

APPLICATION

Show your thinking

Answer

5. A child works out $\frac{5}{8}$ as $8 \div 5 = 1.6$. Give a reason this must be wrong that does not involve dividing.

REASONING

Show your thinking

Answer

6. Sharing 9 litres between 2 buckets gives $4\frac{1}{2}$ each. Sharing 9 buses between 2 schools does not give $4\frac{1}{2}$ each. Explain the difference.

REASONING

Show your thinking

Answer

7. Explain why 3 shared between 4 gives the same answer as the fraction $\frac{3}{4}$, using pieces.

REASONING

Show your thinking

Answer

8. Which is bigger, $\frac{7}{9}$ or $\frac{9}{7}$? Answer without calculating either, and say how you know.

REASONING

Show your thinking

Answer

9. Why is it useful to know that a fraction is a division?

REASONING

Show your thinking

Answer