

Date

T: express quotients as fractions

Answer these questions with remainders before you try what is written below them

1) $7 \div 2$

2) $10 \div 3$

3) $13 \div 4$

4) $16 \div 5$

5) $56 \div 10$

6) $13 \div 2$

7) $16 \div 3$

8) $19 \div 4$

9) $44 \div 5$

10) $69 \div 10$

How to express quotients as fractions

A quotient is a posh word for the answer to a division question

When we divide we sometimes get a remainder. This remainder can be shown as a whole number.

Example: $13 \div 2 = 6r1$

However, this remainder can also be shown as a fraction

Example: $13 \div 2 = 6 \frac{1}{2}$

To calculate what fraction a remainder is you:

- make the divisor (the number you are dividing by) the bottom number
- make the remainder the top number

For each of these questions you have already done (next to your original answer) give the answer **with the remainder as a fraction.**

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Answers

- 1) $7 \div 2 = 3r1$ $3 \frac{1}{2}$
- 2) $10 \div 3 = 3r1$ $3 \frac{1}{3}$
- 3) $15 \div 4 = 3r1$ $3 \frac{3}{4}$
- 4) $16 \div 5 = 3r1$ $3 \frac{1}{5}$
- 5) $31 \div 10 = 3r1$ $3 \frac{1}{10}$
- 6) $13 \div 2 = 6r1$ $6 \frac{1}{2}$
- 7) $8 \div 3 = 2r2$ $2 \frac{2}{3}$
- 8) $19 \div 4 = 4r3$ $4 \frac{3}{4}$
- 9) $44 \div 5 = 8r4$ $8 \frac{4}{5}$
- 10) $69 \div 10 = 6r9$ $6 \frac{9}{10}$