Multiplying and Dividing Fractions

Grade 5 · 6 questions · step-by-step answers at the end

Name: Date: Score: / 6

USEFUL EQUATIONS

$a/b \times c/d = (a \times c)/(b \times d)$ $n \times a/b = (n \times a)/b$ $n \div 1/b = n \times b$ $1/b \div n = 1/(b \times n)$

Questions

Show your working in the space under each question.

1. EASY Work out $4 \times 1/2$.

2. EASY Work out $1/2 \times 1/3$.

3. MEDIUM Find $3/4$ of 20.

4. MEDIUM Work out $2/5 \times 5/8$.

5. HARD Work out $5 \div 1/2$.

6. HARD A recipe needs 2 1/2 cups of flour. How much is needed for half the recipe?

Step-by-step answers

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1. Four halves make **2**.
2. Tops 1, bottoms 6: **1/6**.
3. 20 ÷ 4 = 5, and 5 × 3 = **15**.
4. 10/40 = **1/4**.
5. There are 2 halves in each whole: 5 × 2 = **10**.
6. 2 1/2 = 5/2. Half of it: 5/2 × 1/2 = 5/4 = **1 1/4 cups**.