

Dividing Mixed Numbers Mastery

Practice Worksheet

I DO

Work out

$$2\frac{1}{4} \div 1\frac{1}{5}$$

Give your answer as a mixed number in its simplest form.

WE DO

Work out

$$3\frac{1}{3} \div 1\frac{1}{4}$$

Give your answer as a mixed number in its simplest form.

YOU DO 1

Work out

$$1\frac{3}{5} \div 2\frac{2}{3}$$

Give your answer as a mixed number in its simplest form.

YOU DO 2

Work out

$$4\frac{1}{2} \div 1\frac{1}{5}$$

Give your answer as a mixed number in its simplest form.

YOU DO 3

Work out

$$2\frac{3}{4} \div 1\frac{5}{6}$$

Give your answer as a mixed number in its simplest form.

YOU DO 4

Work out

$$5\frac{1}{3} \div 2\frac{2}{9}$$

Give your answer as a mixed number in its simplest form.

YOU DO 5

Work out

$$3\frac{3}{8} \div 1\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

Multiplying Mixed Numbers Mastery

Practice Worksheet

I DO

Work out

$$1\frac{1}{2} \times 2\frac{1}{3}$$

Give your answer as a mixed number in its simplest form.

WE DO

Work out

$$2\frac{1}{4} \times 1\frac{1}{3}$$

Give your answer as a mixed number in its simplest form.

YOU DO 1

Work out

$$1\frac{2}{5} \times 3\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

YOU DO 2

Work out

$$2\frac{2}{3} \times 1\frac{1}{5}$$

Give your answer as a mixed number in its simplest form.

YOU DO 3

Work out

$$1\frac{3}{4} \times 2\frac{2}{5}$$

Give your answer as a mixed number in its simplest form.

YOU DO 4

Work out

$$3\frac{1}{3} \times 1\frac{1}{8}$$

Give your answer as a mixed number in its simplest form.

YOU DO 5

Work out

$$2\frac{3}{4} \times 1\frac{1}{11}$$

Give your answer as a mixed number in its simplest form.

Adding Mixed Numbers Mastery

Practice Worksheet

I DO

Work out

$$1\frac{3}{4} + 2\frac{1}{3}$$

Give your answer as a mixed number in its simplest form.

WE DO

Work out

$$2\frac{2}{5} + 1\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

YOU DO 1

Work out

$$3\frac{1}{4} + 1\frac{5}{6}$$

Give your answer as a mixed number in its simplest form.

YOU DO 2

Work out

$$1\frac{5}{8} + 2\frac{3}{4}$$

Give your answer as a mixed number in its simplest form.

YOU DO 3

Work out

$$2\frac{4}{5} + 1\frac{2}{3}$$

Give your answer as a mixed number in its simplest form.

YOU DO 4

Work out

$$4\frac{1}{6} + 2\frac{7}{9}$$

Give your answer as a mixed number in its simplest form.

YOU DO 5

Work out

$$3\frac{5}{7} + 1\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

Subtracting Mixed Numbers Mastery

Practice Worksheet

I DO

Work out

$$3\frac{1}{4} - 1\frac{2}{3}$$

Give your answer as a mixed number in its simplest form.

WE DO

Work out

$$4\frac{1}{5} - 2\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

YOU DO 1

Work out

$$5\frac{1}{3} - 2\frac{3}{4}$$

Give your answer as a mixed number in its simplest form.

YOU DO 2

Work out

$$3\frac{3}{8} - 1\frac{5}{6}$$

Give your answer as a mixed number in its simplest form.

YOU DO 3

Work out

$$6\frac{1}{5} - 3\frac{2}{3}$$

Give your answer as a mixed number in its simplest form.

YOU DO 4

Work out

$$4\frac{2}{7} - 1\frac{1}{2}$$

Give your answer as a mixed number in its simplest form.

YOU DO 5

Work out

$$5\frac{1}{6} - 2\frac{4}{9}$$

Give your answer as a mixed number in its simplest form.

Answers & Worked Solutions

DIVIDING MIXED NUMBERS - ANSWERS

I Do

Convert: $9/4 \div 6/5$.

Multiply by reciprocal: $9/4 \times 5/6 = 45/24$.

Simplify: $15/8 = 1 \frac{7}{8}$.

We Do

Convert: $10/3 \div 5/4$.

Multiply: $10/3 \times 4/5 = 40/15$.

Simplify: $8/3 = 2 \frac{2}{3}$.

You Do 1

Convert: $8/5 \div 8/3$.

Multiply: $8/5 \times 3/8 = 24/40$.

Simplify: $\frac{3}{5}$.

You Do 2

Convert: $9/2 \div 6/5$.

Multiply: $9/2 \times 5/6 = 45/12$.

Simplify: $15/4 = 3 \frac{3}{4}$.

You Do 3

Convert: $11/4 \div 11/6$.

Multiply: $11/4 \times 6/11 = 66/44$.

Simplify: $3/2 = 1 \frac{1}{2}$.

You Do 4

Convert: $16/3 \div 20/9$.

Multiply: $16/3 \times 9/20 = 144/60$.

Simplify: $12/5 = 2 \frac{2}{5}$.

You Do 5

Convert: $27/8 \div 3/2$.

Multiply: $27/8 \times 2/3 = 54/24$.

Simplify: $9/4 = 2 \frac{1}{4}$.

MULTIPLYING MIXED NUMBERS - ANSWERS

I Do

Convert: $\frac{3}{2} \times \frac{7}{3}$.

Multiply: $\frac{21}{6}$.

Simplify: $\frac{7}{2} = 3\frac{1}{2}$.

We Do

Convert: $\frac{9}{4} \times \frac{4}{3}$.

Multiply: $\frac{36}{12}$.

Simplify: 3.

You Do 1

Convert: $\frac{7}{5} \times \frac{7}{2}$.

Multiply: $\frac{49}{10}$.

Simplify: $4\frac{9}{10}$.

You Do 2

Convert: $\frac{8}{3} \times \frac{6}{5}$.

Multiply: $\frac{48}{15}$.

Simplify: $\frac{16}{5} = 3\frac{1}{5}$.

You Do 3

Convert: $\frac{7}{4} \times \frac{12}{5}$.

Multiply: $\frac{84}{20}$.

Simplify: $\frac{21}{5} = 4\frac{1}{5}$.

You Do 4

Convert: $\frac{10}{3} \times \frac{9}{8}$.

Multiply: $\frac{90}{24}$.

Simplify: $\frac{15}{4} = 3\frac{3}{4}$.

You Do 5

Convert: $\frac{11}{4} \times \frac{12}{11}$.

Multiply: $\frac{132}{44}$.

Simplify: 3.

ADDING MIXED NUMBERS - ANSWERS

I Do

Convert: $1\frac{9}{12} + 2\frac{4}{12}$.

Add: 3 and $\frac{13}{12}$.

Simplify: $4\frac{1}{12}$.

We Do

Convert: $2\frac{4}{10} + 1\frac{5}{10}$.

Add: 3 and $\frac{9}{10}$.

Simplify: $3\frac{9}{10}$.

You Do 1

Convert: $3\frac{3}{12} + 1\frac{10}{12}$.

Add: 4 and $\frac{13}{12}$.

Simplify: $5\frac{1}{12}$.

You Do 2

Convert: $1\frac{5}{8} + 2\frac{6}{8}$.

Add: 3 and $\frac{11}{8}$.

Simplify: $4\frac{3}{8}$.

You Do 3

Convert: $2\frac{12}{15} + 1\frac{10}{15}$.

Add: 3 and $\frac{22}{15}$.

Simplify: $4\frac{7}{15}$.

You Do 4

Convert: $4\frac{3}{18} + 2\frac{14}{18}$.

Add: 6 and $\frac{17}{18}$.

Simplify: $6\frac{17}{18}$.

You Do 5

Convert: $3\frac{10}{14} + 1\frac{7}{14}$.

Add: 4 and $\frac{17}{14}$.

Simplify: $5\frac{3}{14}$.

SUBTRACTING MIXED NUMBERS - ANSWERS

I Do

Convert: $3\frac{3}{12} - 1\frac{8}{12}$.

Borrow: $2\frac{15}{12} - 1\frac{8}{12}$.

Subtract: $1\frac{7}{12}$.

We Do

Convert: $4\frac{2}{10} - 2\frac{5}{10}$.

Borrow: $3\frac{12}{10} - 2\frac{5}{10}$.

Subtract: $1\frac{7}{10}$.

You Do 1

Convert: $5\frac{4}{12} - 2\frac{9}{12}$.

Borrow: $4\frac{16}{12} - 2\frac{9}{12}$.

Subtract: $2\frac{7}{12}$.

You Do 2

Convert: $3\frac{9}{24} - 1\frac{20}{24}$.

Borrow: $2\frac{33}{24} - 1\frac{20}{24}$.

Subtract: $1\frac{13}{24}$.

You Do 3

Convert: $6\frac{3}{15} - 3\frac{10}{15}$.

Borrow: $5\frac{18}{15} - 3\frac{10}{15}$.

Subtract: $2\frac{8}{15}$.

You Do 4

Convert: $4\frac{4}{14} - 1\frac{7}{14}$.

Borrow: $3\frac{18}{14} - 1\frac{7}{14}$.

Subtract: $2\frac{11}{14}$.

You Do 5

Convert: $5\frac{3}{18} - 2\frac{8}{18}$.

Borrow: $4\frac{21}{18} - 2\frac{8}{18}$.

Subtract: $2\frac{13}{18}$.