New Maths GCSE: N8 - Skills with Fractions

Name:... Date:......................................

What is this as a mixed number fraction:

$$\frac{14}{5}$$

A) $4\frac{2}{5}$

B) $3\frac{1}{5}$

C) $2\frac{4}{14}$

D) $2\frac{4}{5}$

Correct Answer: A B C D

Explanation:

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What is this as an improper (top-heavy) fraction:

$$2\frac{2}{7}$$

A) $\frac{14}{7}$

B) $\frac{16}{7}$

C) $\frac{16}{14}$

D) $\frac{4}{7}$

Correct Answer: A B C D

Explanation:

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What is this as a mixed number fraction:

$$\frac{10}{3}$$

A) $3\frac{1}{10}$

B) $3\frac{1}{3}$

C) 3.3

D) $1\frac{3}{3}$

Correct Answer: A B C D

Explanation:

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What is this as an improper (top-heavy) fraction:

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

A) $\frac{5}{3}$ B) $\frac{4}{12}$

C) $\frac{13}{12}$ D) $\frac{13}{3}$

Correct Answer: A B C D

Explanation:

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What is a good first step for solving the following:

$$\frac{1}{3} \times \frac{2}{7}$$

A) $\frac{1}{21} \times \frac{2}{21}$ B) $\frac{7}{21} \times \frac{6}{21}$

C) $\frac{2}{21}$ D) $\frac{3}{21}$

Correct Answer: A B C D

Explanation:

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What is a good first step for solving the following:

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

A) $\frac{1}{12} + \frac{2}{12}$ B) $\frac{3}{7}$

C) $\frac{3}{12} + \frac{4}{12}$ D) $\frac{3}{12} + \frac{8}{12}$

Correct Answer: A B C D

Explanation:

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What is a good first step for solving the following:

$$\frac{1}{3} \div \frac{4}{7}$$

A) $\frac{1}{3} \times \frac{7}{4}$ B) $\frac{1}{3} \div \frac{7}{4}$

C) $\frac{3}{1} \times \frac{4}{7}$ D) $\frac{3}{1} \times \frac{2}{5}$

Correct Answer: A B C D

Explanation:

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What is a good first step for solving the following:

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

A) $\frac{7}{5} \times \frac{7}{3}$

B) $\frac{2}{5} \times \frac{1}{3}$ and 1×2

C) $\frac{21}{15} \times \frac{35}{15}$

D) $\frac{6}{15} \times \frac{5}{15}$ and 1×2

Correct Answer: A B C D

Explanation:

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What is a good first step for solving the following:

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

A) $\frac{3}{4} \div \frac{5}{2}$

B) $\frac{4}{3} \times \frac{5}{2}$

C) $\frac{3}{4} \times \frac{5}{2}$

D) $\frac{4}{3} \times \frac{2}{5}$

Correct Answer: A B C D

Explanation:

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Which of these is a correct step in solving the following:

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

A) $\frac{9}{4} \times \frac{7}{5}$

B) $\frac{4}{9} \times \frac{7}{5}$

C) $\frac{9}{4} \times \frac{5}{7}$

D) $\frac{4}{9} \times \frac{5}{7}$

Correct Answer: A B C D

Explanation:

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