



# 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  $1 \times 2$   
C)  $\frac{21}{15} \times \frac{35}{15}$       D)  $\frac{6}{15} \times \frac{5}{15}$  and  $1 \times 2$

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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