New Maths GCSE: N8 - Multiplying and Dividing Fractions

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

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

What is a sensible first step to answer this question?

A $\quad \frac{2}{15} \times \frac{1}{15}$ B $\quad \frac{6}{15} \times \frac{5}{15}$

C $\quad \frac{2 \times 1}{5 \times 3}$ D $\quad \frac{2}{5} \div \frac{3}{1}$

Correct Answer: A B C D

Explanation:

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Follow up Questions for Edexcel GCSE – June 2014 – Higher – Paper 1 – Question 1a

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

A $\quad \frac{5}{15}$ B $\quad \frac{4}{15}$

C $\quad \frac{4}{225}$ D $\quad \frac{17}{15}$

Correct Answer: A B C D

Explanation:

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

What does this equal?

A $\quad \frac{5}{5}$ B $\quad \frac{2}{15}$

C $\quad \frac{6}{5}$ D $\quad \frac{6}{15}$

Correct Answer: A B C D

Explanation:

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Aikong spent $\frac{3}{8}$ of his time studying science. He spent $\frac{2}{5}$ as much time studying English as science. What fraction of Aikong's study time was spent studying English?

A. $\frac{1}{40}$

B. $\frac{3}{20}$

C. $\frac{31}{40}$

D. $\frac{15}{16}$
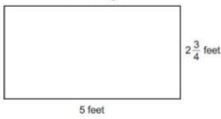
Correct Answer: A B C D

Explanation:

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Gail has a rectangular rug. The diagram below shows the dimensions of Gail's rug.

Gail's Rug

$2\frac{3}{4}$ feet

5 feet

What is the area of Gail's rug?

A. $7\frac{3}{4}$ square feet

B. $10\frac{3}{4}$ square feet

C. $13\frac{3}{4}$ square feet

D. $15\frac{1}{2}$ square feet

Correct Answer: A B C D

Explanation:

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

What is a sensible first step to answer this question?

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

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

C $\quad \frac{15}{20} \div \frac{8}{20}$

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

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

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

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

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

Correct Answer: A B C D

Explanation:

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Question 1

What does this equal, giving your answer as simply as possible?

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

A $\dfrac{5}{6}$

B $\dfrac{8}{15}$

C $\dfrac{10}{12}$

D $\dfrac{6}{5}$

Correct Answer: A B C D

Explanation:

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Question 2

What does this equal, giving your answer as simply as possible?

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

A $\dfrac{15}{2}$

B $\dfrac{3}{2}$

C $\dfrac{3}{10}$

D $\dfrac{10}{3}$

Correct Answer: A B C D

Explanation:

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Question 3

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

What does this equal?

A $\dfrac{12}{8}$

B 6

C $\dfrac{2}{12}$

D $\dfrac{2}{3}$

Correct Answer: A B C D

Explanation:

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