



# Simplify and Equivalence of Fractions - 6 - Quiz B

Name: .....

Date: .....

WhiteRoseMaths

What is the missing fraction in this sequence?

$$\frac{40}{200}, \frac{20}{100}, \square, \frac{5}{25}$$

A  $\frac{10}{25}$       B  $\frac{10}{90}$       C  $\frac{10}{50}$       D  $\frac{10}{100}$

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Correct Answer: A B C D

Explanation:

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Write this fraction in its simplest form.

$$\frac{16}{40}$$

A  $\frac{8}{20}$       B  $\frac{4}{10}$       C  $\frac{2}{5}$       D  $\frac{16}{40}$

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Correct Answer: A B C D

Explanation:

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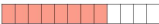
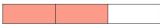
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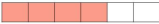
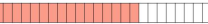
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Which diagram shows  $\frac{16}{24}$  in its simplest form?

1)       2) 

3)       4) 

A 1      B 2      C 3      D 4

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Correct Answer: A B C D

Explanation:

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What is the missing numerator?

$$\frac{28}{56} = \frac{\quad}{8}$$

A 20      B 4      C 3.5      D 7

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Correct Answer: A B C D

Explanation:

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To simplify this fraction, I would divide the numerator and the denominator by

$$\frac{4}{28}$$

A 28      B 2      C 4      D 7

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Correct Answer: A B C D

Explanation:

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Which fraction is equivalent to:

$$\frac{10}{15}$$

a)  $\frac{4}{6}$    b)  $\frac{2}{3}$    c)  $\frac{2}{6}$    d)  $\frac{3}{5}$

A a and b      B a, b and c      C c      D b

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Correct Answer: A B C D

Explanation:

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Which fraction is not in its simplest form?

$$\frac{1}{15} \quad \frac{3}{9} \quad \frac{1}{6} \quad \frac{2}{7}$$

A  $\frac{1}{15}$       B All of them      C  $\frac{3}{9}$       D  $\frac{1}{6}$

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Correct Answer: A B C D

Explanation:

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Which fractions are equivalent?

a)  $\frac{20}{24}$  b)  $\frac{4}{6}$  c)  $\frac{5}{6}$  d)  $\frac{10}{12}$

A B C D

a, c and d a and d a, b and d None of them

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Correct Answer: A B C D

Explanation:

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

$\frac{4}{12}$   $\frac{3}{12}$   $\frac{1}{2}$

Which fraction could go in the empty box?

A B C D

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

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Correct Answer: A B C D

Explanation:

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What fraction of these sweets are red?

A B C D

$\frac{3}{10}$   $\frac{6}{14}$   $\frac{6}{19}$   $\frac{7}{10}$

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Correct Answer: A B C D

Explanation:

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