## New Maths GCSE: A5 - Rearranging Formula with Fractions Step-by-step

Date:.....

$$\frac{3}{x} = \frac{6}{y} - \frac{1}{z}$$

Which of the following is a good next step to make z the subject of the formula?

$$\frac{3z}{x} = \frac{6}{y} - 1$$

$$\frac{3z}{x} = \frac{6}{y} - 1 \quad \mathbb{B} \quad \frac{3z}{xz} = \frac{6z}{yz} - \frac{z}{z^2}$$

$$\frac{x}{3} = \frac{y}{6} - \frac{z}{1}$$

$$\frac{x}{3} = \frac{y}{6} - \frac{z}{1}$$
 D  $\frac{3z}{x} = \frac{6z}{y} - 1$ 

Correct Answer: A B C D

Explanation:


$$\frac{3z}{x} = \frac{6z}{y} - 1$$

Which of the following is a good next step to make z the subject of the formula?

$$3z = \frac{6xz}{y} - x \quad 3xz = \frac{6xz}{xy} - x$$

$$3z = \frac{6xz}{xy} - x$$
  $3z = 6z - 1$ 

Correct Answer: A B C D

Correct Answer: A B C D

Explanation:

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$$3z = \frac{6xz}{y} - x$$

Which of the following is a good next step to make z the subject of the formula?

$$A 3z = 6xz - x$$

$$A 3z = 6xz - x$$

$$B 3yz = 6xz - xy$$

Explanation:

1

## 3yz = 6xz - xy

Which of the following is a good next step to make z the subject of the formula?

$$0 = 6xz - xy - 3yz$$

B 
$$3z = 6z$$

$$0 = 6xz - xy + 3yz$$

$$\mathbf{D} yz = 2xz - xy$$

Explana	ation:	

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Correct Answer: A B C D

Correct Answer: A B C D

$$0 = 6xz - xy - 3yz$$

Which of the following is a good next step to make z the subject of the formula?

$$A \quad xy = 3xyz$$

$$0 = 3xyz - xy$$

$$0 = 6z + 3z$$

$$D xy = 6xz - 3yz$$

Explanation:

$$xy = 6xz - 3yz$$

Which of the following is a good next step to make z the subject of the formula?

A 
$$1 = 6z - 3z$$

$$B xy = z(6x - 3y)$$

$$c xy = 6z(x - y)$$

$$D xy = 3(2xz - yz)$$

Correct Answer: A B C D Explanation: .....

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$$xy = z(6x - 3y)$$

Which of the following is a good next step to make z the subject of the formula?

A 
$$xy = 6xz - 3yz$$
 B  $xy - (6x - 3y) = z$ 

$$xy - (6x - 3y)$$

$$\frac{xy}{6x-3y}=z$$

Correct Answer: A B C D Explanation:

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