

Evaluating Expressions

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Evaluate each expression below.

$$3 \cdot \frac{16 + 7 \cdot 2}{5} = \underline{\hspace{2cm}}$$

$$\frac{3 \cdot 16 + 7}{5} \cdot 2 = \underline{\hspace{2cm}}$$

$$3 \cdot 16 + \frac{7 \cdot 2}{5} = \underline{\hspace{2cm}}$$

$$3 \cdot \frac{16}{5} + 7 \cdot 2 = \underline{\hspace{2cm}}$$

$$6 + \frac{15 \cdot 5}{3^2} = \underline{\hspace{2cm}}$$

$$6 + \left(\frac{15}{3}\right)^2 \cdot 5 = \underline{\hspace{2cm}}$$

$$\frac{6 + 15 \cdot 5}{3^2} = \underline{\hspace{2cm}}$$

$$\frac{6 + 15}{3^2} \cdot 5 = \underline{\hspace{2cm}}$$

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Evaluate each expression below.

$$\left(\frac{4 \cdot 9}{7+2}\right)^2 = \underline{\hspace{2cm}}$$

$$\frac{4 \cdot 9}{(7+2)^2} = \underline{\hspace{2cm}}$$

$$\frac{4 \cdot 9}{7+2^2} = \underline{\hspace{2cm}}$$

$$7^2 + \frac{4 \cdot 9}{2} = \underline{\hspace{2cm}}$$

$$\frac{(10-4 \cdot 3)^3}{2} = \underline{\hspace{2cm}}$$

$$\left(\frac{10-4 \cdot 3}{2}\right)^3 = \underline{\hspace{2cm}}$$

$$\frac{10-4}{2} \cdot 3^3 = \underline{\hspace{2cm}}$$

$$10-4 \cdot \frac{3}{2^3} = \underline{\hspace{2cm}}$$

Evaluating Expressions Key

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We follow the Order of Operations to evaluate each expression.

$$3 \cdot \frac{16+7 \cdot 2}{5} = 18$$

$$\frac{3 \cdot 16+7}{5} \cdot 2 = 22$$

$$3 \cdot 16 + \frac{7 \cdot 2}{5} = \frac{254}{5} \text{ or } 50\frac{4}{5}$$

$$3 \cdot \frac{16}{5} + 7 \cdot 2 = \frac{118}{5} \text{ or } 23\frac{3}{5}$$

$$6 + \frac{15 \cdot 5}{3^2} = \frac{43}{3} \text{ or } 14\frac{1}{3}$$

$$6 + \left(\frac{15}{3}\right)^2 \cdot 5 = 131$$

$$\frac{6+15 \cdot 5}{3^2} = 9$$

$$\frac{6+15}{3^2} \cdot 5 = \frac{35}{3} \text{ or } 11\frac{2}{3}$$

$$\left(\frac{4 \cdot 9}{7+2}\right)^2 = 16$$

$$\frac{4 \cdot 9}{(7+2)^2} = \frac{4}{9}$$

$$\frac{4 \cdot 9}{7+2^2} = \frac{36}{11} \text{ or } 3\frac{3}{11}$$

$$7^2 + \frac{4 \cdot 9}{2} = 67$$

$$\frac{(10-4 \cdot 3)^3}{2} = -4$$

$$\left(\frac{10-4 \cdot 3}{2}\right)^3 = -1$$

$$\frac{10-4}{2} \cdot 3^3 = 81$$

$$10-4 \cdot \frac{3}{2^3} = \frac{17}{2} \text{ or } 8\frac{1}{2}$$