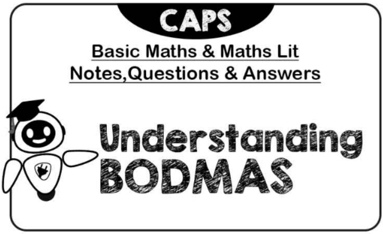

Note that “**Understanding BODMAS**” is a sub topic and you can also access more notes, questions and answers under the main topic “**Operations On Numbers And Calculator Skills**” which is one of the recommended learning topics in the **CAPS Mathematical Literacy curriculum**.

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Basic BODMAS Procedure

1.

$$(8 + 6 \div 2) + \frac{1}{2} \times 10 - 5$$

Answer:

$$= (8 + 3) + \frac{1}{2} \times 10 - 5$$

$$= 11 + \frac{1}{2} \times 10 - 5$$

$$= 11 + 5 - 5$$

$$= 11$$

Practice More Questions Like This

2.

$$80 \div 2 \times 5 + \frac{1}{4}\, of\ 60$$

Answer:

$$80 \div 2 \times 5 + \frac{1}{4} \times 60$$

$$\begin{aligned} &= 80 \div 2 \times 5 + 15 \\ &= 40 \times 5 + 15 \\ &= 200 + 15 \\ &= 215 \end{aligned}$$

Practice More Questions Like This

3.

$$50 \ + \ 4 \times \frac{1}{8} \ of \ 240$$

Answer:

$$\begin{aligned} &= 50 \ + \ 4 \times \frac{1}{8} \ \times \ 240 \\ &= 50 \ + \ 4 \times 30 \\ &= \ 50 \ + \ 120 \\ &= \ 170 \end{aligned}$$

Practice More Questions Like This

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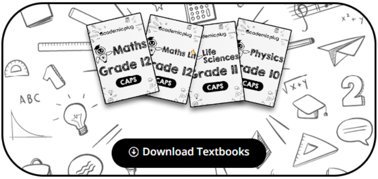

Continue from here 👇

Powers

1.

$$8^2$$

Answer:

$$= 8 \ \times \ 8$$

$$= 64$$

Practice More Questions Like This

2.

$$5^3$$

Answer:

$$= 5 \times 5 \times 5$$

$$= 125$$

Practice More Questions Like This

3.

$$2^3$$

Answer:

$$\begin{aligned} &= 2 \times 2 \times 2 \\ &= 8 \end{aligned}$$

Practice More Questions Like This

Roots

$$\sqrt{64}$$

Answer:

$$- \sqrt[2]{64}$$

$$= 8$$

Practice More Questions Like This

Powers And Roots

1.

$$(3 + 2)^2 - 5 \times 3 + 2^3$$

Answer:

$$\begin{aligned} &= 5^2 - 5 \times 3 + 2^3 \\ &= 25 - 5 \times 3 + 2^3 \\ &= 25 - 15 + 2^3 \\ &= 25 - 15 + 8 \\ &= 10 + 8 \\ &= 18 \end{aligned}$$

Practice More Questions Like This

2.

$$\sqrt{16} + (\sqrt{25})^2 - 3^2 \times 2 \div 6$$

See Answer

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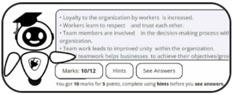

- Loyalty to the organization by workers is increased.
- Workers learn to respect and trust each other.
- Team members are involved in the decision-making process wit organization.
- Team work leads to improved unity within the organization.
- teamwork helps businesses to achieve their objectives/grov

You got **10** marks for **5** points, complete using **hints** before you **see answers.**

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Problems With Decimals

1.

$$26\%\ of\ R585,99$$

Answer:

$$\begin{aligned} &= 26 \div 100 \times 585,99 \\ &\approx R152,36 \end{aligned}$$

Practice More Questions Like This

2.

$$356,24 + 2,3^2 \times \sqrt{121}$$

Answer:

$$\begin{aligned} &= 356,\ 24 + 2,3 \times 2,3 \times (\sqrt{121}) \\ &= 356,24 + 5,29 \times 11 \\ &= 356,24 + 5,29 \times 11 \\ &= 356,\ 14 + 58,\ 19 \\ &= 414,43 \end{aligned}$$

Practice More Questions Like This

3.

$$(\frac{4}{5})^3\ of\ 128 + 10,8$$

Answer:

$$\begin{aligned} &= (0,8)^3 \times 128 + 10,8 \\ &= 0,512 \times 128 + 10,8 \\ &= 65,536 + 10,8 \\ &= 76,336 \\ &\approx 76,34 \end{aligned}$$

Practice More Questions Like This

Mixed Problems To Solve

1.

$$\frac{46 \;+\; 6 \;\times\; 4}{55 \;-\; 5 \;\times\; 7}$$

Answer:

$$\begin{aligned} &= \frac{46 \;+\; 24}{55 \;-\; 35} \\ &= \frac{70}{20} \\ &= \frac{7}{2} \\ &= 3,5 \end{aligned}$$

Practice More Questions Like This

2.

$$15\% \; of \; R63, \; 15$$

Answer:

$$\begin{aligned} &= \frac{15}{100} \times R63, 15 \\ &= R9, 47 \end{aligned}$$

Practice More Questions Like This

3.

$$5 \; + \frac{2}{3} of \; 150$$

Answer:

$$\begin{aligned} &= 5 + \frac{2}{3} \times 150 \\ &= 5 + 100 \\ &= 105 \end{aligned}$$

Practice More Questions Like This

4.

$$48,6^2 \div 10 + \sqrt{121}$$

Answer:

$$\begin{aligned} &= 2361,96 \div 10 + 11 \\ &= 236,196 + 11 \\ &= 247,196 \\ &= 247.20 \end{aligned}$$

Practice More Questions Like This

5.

$$17\pi \times \frac{11}{100}$$

Answer:

$$\begin{aligned} &= (17\ x\ 3,142)\ x \frac{11}{100} \\ &= 53,414 x \frac{11}{100} \\ &= 5,87554 \\ &= 5,88 \end{aligned}$$

Practice More Questions Like This