

5. $1.5 \times 8 + \sqrt{49} \times 3^2 - (8 - 3 \times 2)$ (5)

Hint: Remember to do BREDMAS inside the brackets.

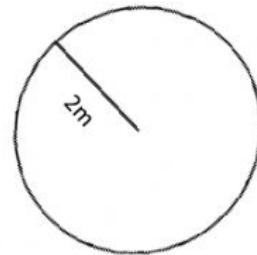
Answer = _____

6. Solve: $5h + 2h + 6 = 27$ (3)

Answer h = _____

7. Find the area of the circle. (3)

Answer = _____ m^2

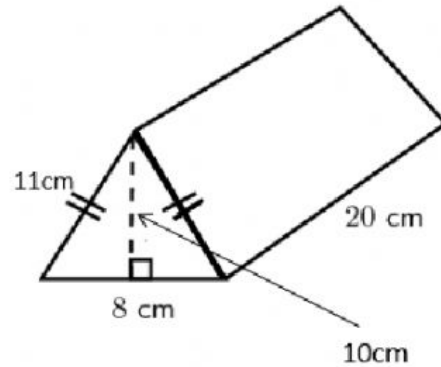


8. $(-10) + (+5) - (-1) + (-3)$ (3)

Answer = _____

9. Find the volume of the triangular prism below. (4)

Answer = _____ cm^3



10. Calculate $4 + 2 \times 3^2$ (3)

Answer = _____

11. Ms. Cole wants to buy THREE new iPads for herself and her friends. She finds them at two different stores for \$500 each, however: (5)

- Store A is advertising a sale of 'buy 2 iPads, get the 3rd iPad for $\frac{1}{2}$ price'
- Store B is offering a sale of 30% off all iPads

If Ms. Cole buys 3 new iPads, where would she get the better deal?

Answers =

Total Cost at Store A = \$ _____

Total Cost at Store B = \$ _____

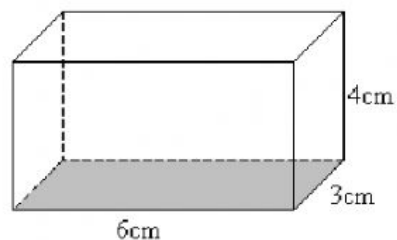
Therefore Mrs. Cole would get the better deal at _____

12. Substitute and solve: $2p + wd - 5$ if $p = 5$, $w = 3$ and $d = 7$ (3)

Answer = _____

13. Calculate the surface area of the rectangular prism. (4)

Answer = _____ cm^2



14. $\frac{2}{3} \times \frac{5}{6}$ *Reduce your answer fully* (3)

Answer = _____

15. Shannon orders 2 pizzas for herself and her friends. She gives $1\frac{1}{6}$ pizzas to Yola and $\frac{1}{3}$ of a pizza to Warren. How much pizza does she have left for herself? (4)

Answer

Shannon would have _____ of a pizza left for herself.

16. Nicole has had the following test scores this year: 50%, 80%, 70%, 80%, 70%. Calculate her mean test score. (3)

Answer

Nicole's average test score for the year is _____ %

17. Solve: $5k + 2k + 6 = 42 + 3k$ (4)

Answer = _____

18. Gertrude scored $\frac{13}{20}$ on a recent geography pop-quiz. What was her score in percent? (2)

Answer = _____ %

19. While studying for the history exam, Martin typed notes with a total of 3360 words in two hours. What was the average number of words he typed per minute? (3)

Answer

Martin typed an average of _____ words per minute on his history exam.

20. Dayna is visiting Cape Breton and has six hours to explore on her own. She wants to rent a bicycle to see if she can ride up the many steep hills without stopping. Dayna found two different companies and needs your help determining the best deal. (6)

Company A charges a flat rate of \$13 to rent a bike and an additional \$3 per hour.

Company B only charges for the amount of time you have the bicycle. They charge \$6 an hour.

Which company should Dayna choose?

Answers =

Total Cost at Company A = \$ _____

Total Cost at Company B = \$ _____

Therefore Dayna would get the better deal at _____