

6. Hot dog wieners come in packs of 8 and hot dog buns come in packs of 12. How many packs of each do you need to buy to have the same amount of each? Do you use GCF or LCM? Show workings.

7. One type of fabric is 150 cm long and another type is 132cm long. What are the longest possible equal cuts that you can make on both types so that you have no waste/leftovers. Do you use GCF or LCM? Show workings.

8. Evaluate each radical.

a). $\sqrt[3]{125}$

b). $\sqrt{144}$

c). $\sqrt[3]{512}$

9. Is 1728 a perfect square, a perfect cube or neither? Show your strategy.

10. To determine the square root of 484, Colin completed the prime factorization as shown. However, Colin didn't finish the question. What is the square root of 484?

$$\begin{aligned} & \sqrt{484} \\ &= \sqrt{2 \times 242} \\ &= \sqrt{2 \times 2 \times 121} \\ &= \sqrt{2 \times 2 \times 11 \times 11} \end{aligned}$$