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Class:



Name:

	Fraction of a number: Word problems
1	
	There are 24 pupils in Mr. smith's class, out of these 24 pupils, $\frac{1}{4}$ are boys. How main
	boys are there in Mr. Smith's class?
	Number of pupils in Mrs. Smith's class = 24
	Fraction of pupils that are boys = 4 3 1x24
	So, number of boys in Mrs. Smith's class = $\frac{3}{4}$ of 24 = $\frac{1 \times 24}{4}$ = 6 boys
	Therefore, there are 6 boys in Mrs. Smith's class
	Yesterday, Awah bought a whole cake. She divided it into 15 slices. Out of the 15
	slices, she gave $\frac{2}{3}$ of a slice and $\frac{1}{5}$ of a slice to her younger daughter and eldest
	daughter respectively. How many slices of cake did each daughter get?
	Number of slices of the whole cake = 15
	Fraction of cake she gave to her younger daughter = $\frac{2}{3}$
	So, number of slices of cake the younger daughter got = $\frac{2}{3}$ of 15
	$= 2 \times 15 = 30 = 10 \times 3 = 10 \text{ slices}$
	Fraction of cake she gave to her eldest daughter = $\frac{1}{5}$
	So, number of slices of cake the eldest sister got = $\frac{1}{5}$ of 15
	$= 1 \times 15 = 15 = 3 \times 5 = 3 \text{ slices.}$ $5 = 5 = 1 \times 5 = 3 \text{ slices.}$
	Out of the 12 candidates that won the context, three quaters of them are black
	Americans. How many candidates in the context were black Americans and how
	many candidates were other races?
	Number of candidates who won the context = 12
	Fraction of candidates that are black Americans = $\frac{3}{4}$
	So, number of candidates that are black Americans = $\frac{3}{4}$ of 12
	$= 3 \times 12 = 36 = 9 \times 4 = 9$ candidates $= 3 \times 12 = 36 = 9 \times 4 = 9$ candidates
	Now, let's subtract 9 from 12 to get the number of candidates that were other races
	12 - 9 = 3 candidates
	So, 3 candidates were other races.