



MATHAROO Worksheet UP – 07 20

Student Name: _____

Grade: _____ Date: _____



1. Aussie singer Katy Perry will raise funds for bushfire victims, by performing in a concert called “**FIGHT ON**” in Bright, Victoria on March 11th. What **FRACTION** of the letters in that title are consonants?



2. There are 16 Formula 1 cars in the 2020 Grand Prix car race next Sunday. They travel 58 laps of the 5.3 kilometre-long course. How far do all those cars travel in the race **IN TOTAL**, if they all make it to the finish line?

3. The **PRODUCT** of two vulgar fractions is $\frac{4}{15}$. What might those two fractions be?



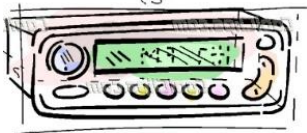
4. The temperature in Leah’s classroom at 11 am was 22°C. By 3 pm it had risen by 25%. What was the **EXACT** classroom temperature at 3 pm?

5. Being autumn, Zac earns \$2 per hour for raking up leaves in his backyard. If he earned \$11 in one week for his raking, for how many hours did he rake leaves in that week?



6. Katy Perry was singing at the “**Women’s T20 WORLD CUP**” last Sunday. At that event, tickets cost \$20 per adult and \$5 per child. If there was a crowd of 55,000, made up of 42,800 adults, and the rest were children, what were the gate takings for that event?

7. The movie “**ARCTIC DOGS**” cost \$50 million to make. In its first month in cinemas, it took \$9 million in ticket sales. If, after the first month, it took just \$3 million in ticket sales each month, after how many months did it finally cover the production costs?



8. How many 2½-minute-long songs, played end-to-end, would you be able to listen to on the car radio on a 28-minute drive to school?

9. One supermarket is offering a **FREE** yo-yo with every two 600 ml bottles of a particular brand of water. If Charles buys $\frac{3}{4}$ of a dozen bottles of that water, how many yo-yos should he be entitled to?



10. **Open-Ended Question:** A motel owner bought some toilet rolls in packs of 4, packs of 6 and packs of 10. If she bought a **TOTAL** of 84 toilet rolls, made up of **SOME** of each pack size, how many of each size **MAY** she have bought? (3 possible answers, please.)