

Student Name: _____

Grade: _____ Date: _____



1. Some of the Australian Olympic Team were robbed after a fire in their apartments at the Olympic Village! If 27 members of the team were robbed and they each had one of each type of Australian bank note in their wallets, how much did they lose in total?



2. At a "Wiggles" concert, 13% of the audience loved the Red Wiggle, 28% loved the Blue Wiggle, 19% loved the Purple Wiggle and the rest loved the Yellow Wiggle. If there were 650 people in the audience, how many of them loved the Yellow Wiggle best?

3. The movie "Central Intelligence" stars Dwayne Wilson (The Rock) and Kevin Hart, who have a huge difference in height! If Kevin Hart is 153 cm tall and The Rock is 128% of his height, how tall is Dwayne Wilson (to the nearest cm)?



4. At the Opening Ceremony of the Olympics, 3.45 tonnes of fireworks were used. If 24% of the fireworks didn't explode, what weight of the planned fireworks were wasted? (Give your answer in kilograms, to 1 decimal place)

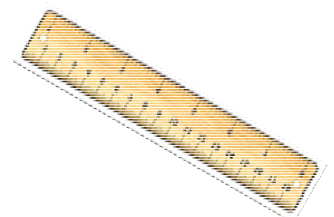
5. During the recent election, a lot of people ate hot dogs to support fundraisers! If 10,000 people went to vote at your school, 50% of them wanted a hot dog, and 75% of those people wanted tomato sauce, how many 1 Litre bottles of sauce were needed if each hot dog got 25 ml of sauce?



6. The 2020 Olympic Games in Tokyo may include the following new events: surfing, skateboarding, karate, rock-climbing, bowling, squash, baseball and softball. If all these were accepted, there would be an extra 168 Australian athletes involved. What is the average number of athletes per new event? Does this average mean anything? Why or why not?

7. In the Olympics soccer, Canada scored the first goal against Australia just 20 seconds into the game. If that rate of scoring continued, how many goals would Canada score in a quarter of an hour?

8. **Open-ended Question:** A wooden ruler has an area of 120 cm^2 . Its length is estimated to be somewhere between 28.5 cm and 34 cm. What are 3 possible widths of the ruler?



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1. \$4,995
2. 260
3. 196 cm (to the nearest centimetre)
4. 828.0 kg of fireworks were wasted
5. 94 1-litre bottles of sauce
6. 21 per event, on average. But in reality this statistic makes no sense.
7. 48 goals (Unrealistic, of course!)
8. Various answers