



# MATHAROO Worksheet UP – 32 19



MATHAROO

Student Name: \_\_\_\_\_

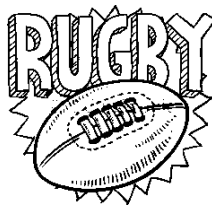
Grade: \_\_\_\_\_ Date: \_\_\_\_\_

1. A new game available on computers, tablets and mobile phones is "MARIO KART TOUR". Unfortunately the game costs \$7.95 per month to play. If Shelley plays the game for a 6<sup>th</sup> of a year, how much will she have to pay?



2. Cars racing in the "BATHURST 1,000" race, held last weekend at Mount Panorama, travel 161 laps around the Bathurst course. Each lap is 6.2 kilometres long. So, how much more, or less, of the advertised 1,000 km race length is that?

3. With the big sports finals now behind us, premiership posters are being sold to fans as fund-raisers. A paper poster costs \$3, a laminated poster is \$17 and a block-mounted poster costs \$60. If a newsagent sold 380 paper posters, 72 laminated posters and 28 block-mounted posters, how much money did he receive from those sales?



4. A huge metal detector dangling from a helicopter is being used over large parts of NSW, trying to find new water and mineral sources. It can measure to depths of 400 metres. What fraction of one kilometre is 400 metres?

5. One bread shop chain has been given permission to keep selling its 1.6 million plastic bags, until all are used. (Otherwise, the bags would have gone to land fill.) Write 1.6 million in figures.

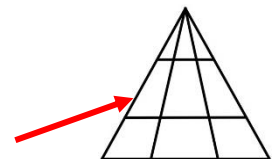


6. A normal garden snail moves forward at an average speed of 563.21 metres per hour. At that rate, **ABOUT** how long would it take a snail to cover 1½ kilometres?

7. The cheapest book in the children's Top 10 best sellers last week was titled "THE BOOK BUDDIES". It sells for just \$2.99. How many copies of that book could be bought for \$100?



8. A triangle has a perimeter of 85.6 centimetres. If two of the sides measure 26.2 cm and 38.9 cm, find the length of the third side.



9. How many triangles are there in this diagram? (Count carefully!)

10. **Open-ended Question:** Ava's dad says he will pay her \$1 for each grain of sand she can hold in one hand. How much might this be? (Consider the size of the grains of sand, and the size of Ava's hand.)