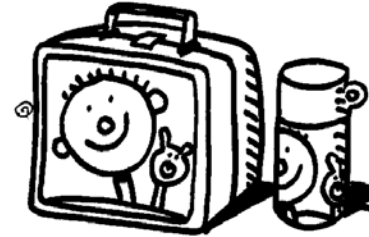


Student Name: \_\_\_\_\_

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



1. A survey of 160 school lunch food items at Australian supermarkets found that 60% of them did not display a health star rating. How many of those items DID have a health star rating showing on their labels?



2. A "Kids' Gallop" marathon was run along the Great Ocean Road in Victoria last weekend, to raise funds for Cancer Research. There were 500 kids under 13 years old. They had to run the 1.5 kilometre course in less than 30 minutes. If Ben finished the course in exactly 20 minutes, what was his average speed in kph?

3. A 14-carat diamond ring was auctioned last week for a price of \$56 million. At that rate, for how much would a 20-carat diamond ring have been valued?

4. During winter, many people get a flu injection, to help them stay healthy. The injection costs \$9.95 at some chemist shops. If the vaccine costs the chemist \$4.75 to buy, and the nurse receives \$2 per injection to administer, how much profit does the chemist make if, in one day, 23 people receive the injections?



5. In Australia in 2015, new car sales were 1,155,400 in total. Recent figures show that 85% of these cars now are sold with automatic transmissions. The rest are manuals. How many of those cars were sold with manual transmissions?

6. In "FAMILY FEUD", 100 people were asked, "Name a word that most people yell at their dogs." The top answer was "NO" (27), the next answer was "SIT" (23), then "STOP" (14), "DOWN" (7), "FETCH" (6) and "BAD" (5). Draw a graph showing these results visually.



7. In Question 6 above, 100 people were asked the question. Why, then, don't those figures add up to 100? Explain your answer in one sentence.



8. **Open-Ended Question:** There is an error in the following news item. Find the error, and explain how the error could be corrected . . . The newspaper article about the car sales in Australia in 2015 said: *"It's official: 2015 was the biggest year for the Australian new vehicle market on record. Australians took delivery of 1,155,408 million new cars."*

## **ANSWERS – EdShop Worded Maths Extension Worksheet EW 18 16**

1. 64 DID have health star ratings
2. 4.5 kph
3. \$80 million
4. \$73.60 profit
5. 173,310 were manual transmissions
6. Various graphs
7. Because 18 people chose different commands for their dog
8. Repetition of the word "million" is incorrect