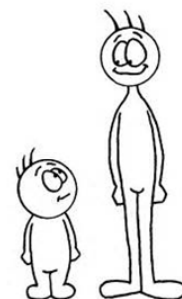






Student Name: _____

Grade: _____ Date: _____



1. The tallest people in the world are, on average, Dutch men (av. height 182.5 cm) and Latvian women (av. height 169.8 cm). Average heights of Australians are: Males – 179.2 cm and Females – 165.9 cm. If 6 Aussie women lay down in a line next to 6 Latvian women, on average how much longer is the Latvian line than the Aussie line?
2. A quality rug shop is selling a rug that usually costs \$2,170 for 70% off. What is the discounted price of this rug?
-  3. Speed of wind is often measured in knots. One knot is equal to 0.51 metres per second. Therefore, if a wind is blowing at 25 knots, what would its speed be in metres per second?
4. The Victorian Female Footy Team has members aged 21, 28, 21, 22, 23, 23, 28 and one other. If the average age is 24, what is the age of the eighth member. 
5. A magician had an audience of 320 people. One third of them believed in REAL magic, half of the rest thought they could see how he did his tricks, and the remainder went to sleep. How many people went to sleep?
-  6. Koalas may be smarter than scientists thought. In Queensland, 130 man-made "koala crossings" across busy roads were built to prevent koalas becoming "road-kill". The koalas took around 3 weeks to learn to use the crossings, which were built over a $2\frac{1}{2}$ year period. On average, how many weeks did it take to build each crossing?
7. In last week's Test Match between Sri Lanka and Australia, the Captain of Australia, Steve Smith was run out. He was 3.25 metres out of his crease when stumped. What percentage of a full cricket pitch length is that (a pitch is 22 metres long)? (Answer correct to 2 decimal places)
8. A train travels at an average speed of 60 km/h. How long will it take at that average speed to travel 270 km? 
9. **Open-ended Question:** On August 9th, 2016, every household in Australia has to fill in the Government's census form. If the form contains 45 questions, and $\frac{2}{3}$ of the questions are about money, and $\frac{1}{9}$ of the questions are about education and work, how many questions might there be about the type of accommodation, and about hobbies, and about race, and gender, and religion?

ANSWERS – EdShop Worded Maths Extension Worksheet EW 28 16

1. 23.4 cm longer
2. \$651
3. 12.75 metres per second
4. 26
5. 156 people went to sleep
6. 1 week per crossing
7. 14.77%
8. 4½ hours
9. Various answers