

Student Name: _____

Grade: _____ Date: _____



1. In the Olympics, the Pentathlon is 5 different events rolled into one. Australia's Chloe Esposito won the gold medal with a total of 1374 points! If she was placed second in the "shoot" event with 570 points, what was her average number of points in the other four events?



2. Ida Keeling, who turned 100 years old recently, set the world record for the fastest 100 m run by someone 100 years old or older! She finished the race with a time of 1 hour, 17 minutes 33 seconds. How long did it take her to move each metre, on average?

3. Freda is employed to make a game for a mobile. They give her a budget of \$750,000 to get the game made. She needs to pay:

- Two programmers: \$80,000 a year each.
- Two artists: \$50,000 a year each.
- A game designer: \$40,000 a year.



How many years and months will you be able to keep making your game before your budget runs out?



4. Australian banks had 32,000 complaints made by their customers this year! A quarter of the complaints were dismissed, and $\frac{1}{4}$ of the remaining complaints cost \$1000 each to fix. The total cost of correcting all complaints was \$7 million. What did each of the other problems cost to fix on average?

5. BATMAN IS BACK! The original Batman on TV, Adam West is now 87 years old, and he's coming back to voice the batman cartoon called "Batman: Return of the Caped Crusader". He first made the Batman cartoon in 1966. How old was he when he made that cartoon?



6. Each of the medals at the Olympics – gold, silver, and bronze – weighs 500g and has a diameter of 85mm and a thickness of 6mm. If gold costs \$43 per gram, silver costs 61c per gram, and a gold medal is made of 7% gold and 93% silver, how much does a gold medal cost to make?



7. **Open-ended Question:** Over the past 3 Olympics, Australia & Britain won the following medals:



Australia: 2016 – 8 Gold, 11 Silver, 10 Bronze; 2012 – 8 G, 15 S, 12 B; 2008 – 14 G, 15 S, 17 B.
Britain: 2016 – 27 Gold, 23 Silver, 17 Bronze; 2012 – 29 G, 17 S, 19 B; 2008 – 19 G, 13 S, 15 B.

Show these results for both countries on a graph. Does it help you see more clearly which country has been improving in the medal counts over recent Olympics? Why or why not? Explain.

ANSWERS – EdShop Worded Maths Extension Worksheet EW 32 16

1. 201 points on average
2. 46.53 seconds per metre
3. 2 years 6 months
4. \$55.56 on average
5. 37 years of age
6. \$1,788.65
7. Various answers