

Year 10 Practice Assessment Number

1. If my daily run takes $\frac{1}{4}$ of an hour, how many minutes does it take to complete my run?
2. If I run at a speed of 13km/hr, how far can I run in 6 hours?
3. I like to maintain a speed of 13kn/hr while running, but always end up doing 14.7km/hr. By how much am I off?
4. New running shoes cost \$129. The shoes have a 25% discount on them. How much is the discount and how much will I pay for the shoes?
 5. The original price of the shoes is \$129 plus GST.
 - a)How much GST will I pay?
 - b)Calculate the GST inclusive price?
 6. After my run when I fill up my bath, the water level rises by 1L every 3 minutes. How long will it take to fill 5L?
 7. The ratio of lavender oil to water in my bath is 0.2 : 60. How much water do I need for 1L of lavender oil?
 8. If the ratio of lavender oil to water is 2 : 600, how much lavender oil is required for 8 Liters of solution?
 9. If I run 132km in a week, what distance do I run per day?
 10. If I have improved my speed from 7km/hr to 13km/hr, what is the percentage increase in my speed?
 11. In winters I stopped running and my speed decreased from 13km/hr to 11km/hr. Calculate the percentage decrease in my speed?

