

YEAR 8 MATHEMATICS WEEK 2 2020 (TERM 2)

Year: 8

Date: Tuesday 26 May 2020

STRAND: NUMBERS

TOPIC: Ratio

LESSON OUTCOME: At the end of this lesson student(s) should be able to solve simple problems involving ratios.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to solve simple problems involving ratios and do the selected questions for **Exercise 1.8**.

*[Note that all the Quizzes/Test and or Assignment will be based on the selected questions for each exercise. These lessons are designed for **one hour per Lesson**.]*

What to do: Do the following selected questions

Exercise 1.8: Q7; Q8; Q9

Solutions: Solutions will be available online via

<https://www.facebook.com/centralschoolemergencyforum/posts/108720557434149>

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6. From a survey it was found that for every person who said they were left-handed, four said they were right-handed.

If 80 of the people questioned said they were right-handed, how many people claimed to be left-handed?



7. Orange drink can be made by mixing cans of concentrated juice with water in the ratio of 1:3 (1 can of orange juice to 3 cans of water).

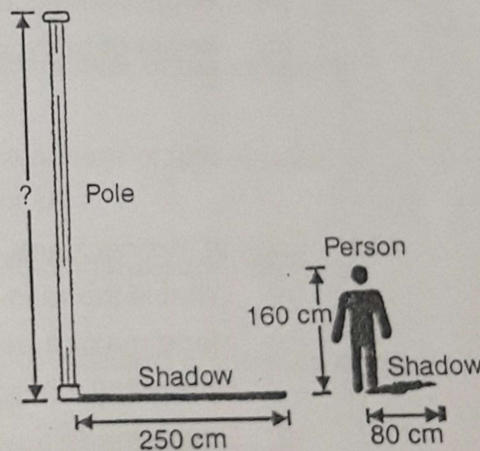


How many cans of water would be needed if you used the following amounts of concentrate:

- (a) 2 cans?
(c) 10 cans?

(b) 5 cans?

8. The diagram on the right shows the shadow cast by a pole, and by a person standing besides it. Use your knowledge of ratios to calculate the height of the pole.



9. Write a sentence to answer each of the following:

- (a) Would it matter at what time of day the shadows were measured?
(b) Could you calculate the height of the pole using a person of any height?