WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Speed, Distance, and Time: Worksheet 5

Grade 5 | Mathematics | Ch 3: Speed, Distance, and Time | Total Marks: 19 | Time: 45 Minutes

Student Name: _____ **Roll / ID No:** _____

Grade / Section: _____ **Date:** _____ **Score:** _____ / 19

Instructions: Section A (Q1-Q4): Choose the correct option (A, B, C, or D). Section B (Q5-Q9): Write your exact one-word or numerical answer. Section C & D (Q10-Q15): Write your detailed answers, corrections, and show all working steps neatly in the space provided.

Q1. A high-speed train travels 400 km in 4 hours at a steady pace. What is its average speed? **[1 Mark]**

( ) A. 100 km/h
( ) B. 90 km/h
( ) C. 115 km/h
( ) D. 1600 km/h

Q2. If a delivery van travels at 105 km/h for 3 hours, how far does it travel? **[1 Mark]**

( ) A. 315 km
( ) B. 210 km
( ) C. 108 km
( ) D. 420 km

Q3. How long does it take a cyclist traveling at 15 km/h to cover a distance of 105 km? **[1 Mark]**

( ) A. 7 hours
( ) B. 6 hours
( ) C. 8 hours
( ) D. 9 hours

Q4. Which formula correctly expresses Speed in terms of Distance and Time? **[1 Mark]**

( ) A. Speed = Distance / Time
( ) B. Speed = Distance x Time
( ) C. Speed = Time / Distance
( ) D. Speed = Distance + Time

Q5. A passenger bus departs from the Central Botanical Gardens and drives 210 km at a constant speed of 70 km/h. How many hours does the journey take? **[1 Mark]**

Q6. An express courier drives 180 km in the morning taking 3 hours, and 120 km in the afternoon taking 2 hours. What was the courier's average speed over the entire trip? **[1 Mark]**

Q7. A marathon runner maintains a steady pace of 12 km/h. How many kilometers does the runner complete in 2 hours and 30 minutes? **[1 Mark]**

Q8. Complete the equation: Distance = 360 km, Time = 4 hours, Speed = [?] km/h. **[1 Mark]**

Q9. Fill in the missing time: Speed = 45 km/h, Distance = 135 km, Time = [?] hours. **[1 Mark]**

Q10. Liam says: 'If I walk 6 km in 2 hours, my speed is 6 x 2 = 12 km/h.' Explain **[1 Mark]**
Liam's error and state his correct walking speed.

Q11. A driver calculates travel time for 200 km at 50 km/h as '50 / 200 = 0.25 hours'. **[1 Mark]**
What is the error and the correct travel time?

Q12. If Car A travels 150 km in 2 hours and Car B travels 210 km in 3 hours, which car **[2 Marks]**
traveled faster? Explain your reasoning with calculations.

Q13. Why is average speed often different from instantaneous speed on an actual **[2 Marks]**
highway trip? Explain using a real situation.

Q14. Two trains leave stations 400 km apart at the same time heading toward each **[2 Marks]**
other. Train A travels at 60 km/h and Train B travels at 40 km/h. After how many hours will they meet?

Q15. A pilot flies 600 km to an island at 200 km/h, and returns along the same route **[2 Marks]**
at 300 km/h. What is the average speed for the entire round trip?