Distance-time and other line graphs worksheet – Grade 8

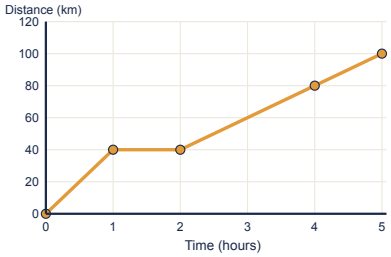
Grade 8 · Mixed level · 20 questions · **Version X5643**

Name: _____ Date: _____ Score: ___ / 20

Scan to check answers + earn stars

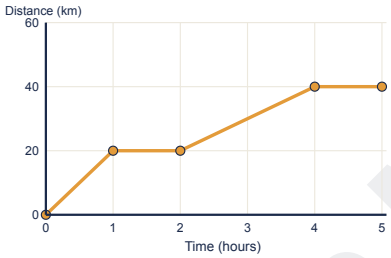
Done the worksheet? Scan the code (or enter version X5643 on this skill's page at themathmeridian.com) to check your answers online and earn stars.

1. For how many hours is Omar stopped?



Answer: _____ hours

2. How far has Emma gone after 1 hours, in km?

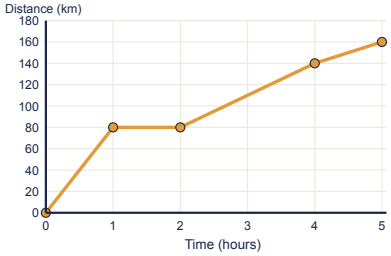


Answer: _____

3. What does a flat part of a distance-time graph mean?

A. Not moving **B.** Going fastest **C.** Going backward **D.** Speeding up

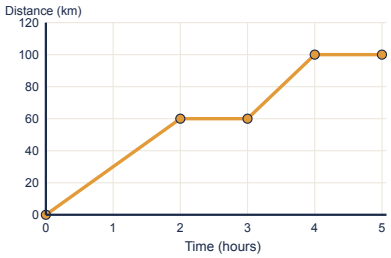
4. Work out the total distance on the graph, in km.



Answer: _____

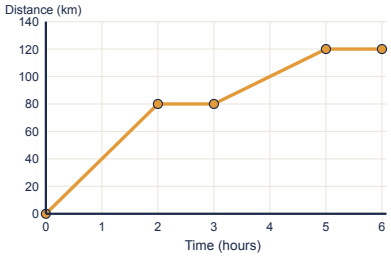
The Math Meridian

5. Find the total distance on the graph, in km.



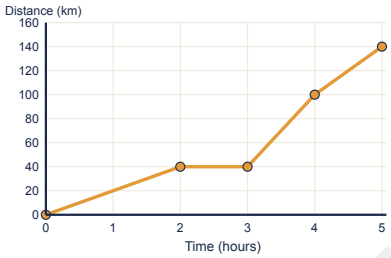
Answer: _____

6. What is the total distance on the graph, in km?



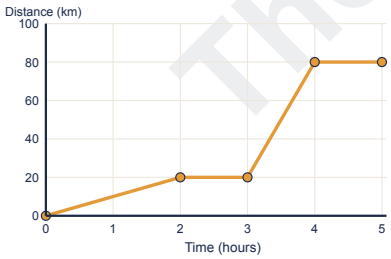
Answer: _____

7. Work out the total distance on the graph, in km.



Answer: _____

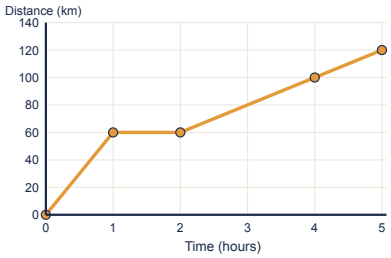
8. Work out the speed in the first part of the trip, in km/h.



Answer: _____

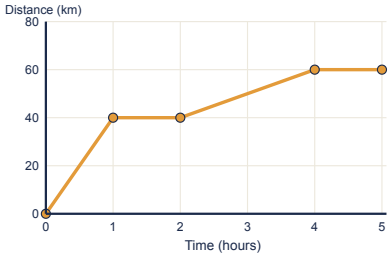
The Math Meridian

9. What is the speed after the stop, up to 4 hours, in km/h?



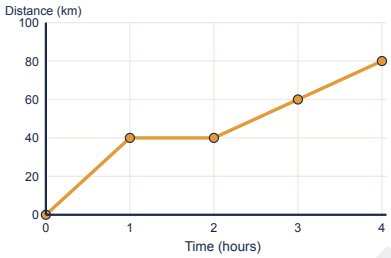
Answer: _____

10. Find the speed in the first part of the trip, in km/h.



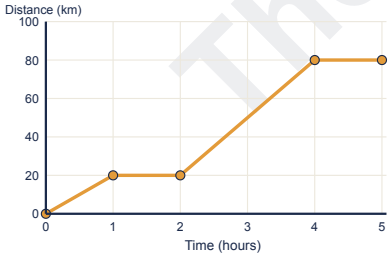
Answer: _____

11. Work out the speed after the stop, up to 3 hours, in km/h.



Answer: _____

12. Which part is faster?



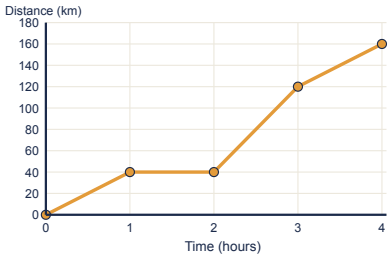
A. Before the stop **B.** After the stop

13. On a distance-time graph, what does a steeper line show?

A. A greater speed **B.** A lower speed **C.** A longer stop **D.** A shorter distance

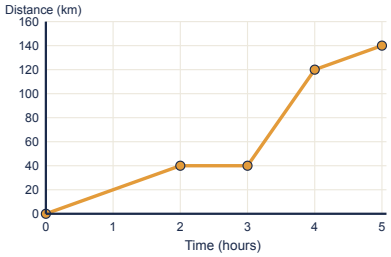
The Math Meridian

14. What is the speed in the first part of the trip, in km/h?



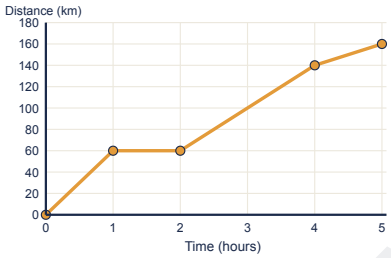
Answer: _____

15. Find the equation for distance d after t hours in the first part. Give the speed k in d = kt.



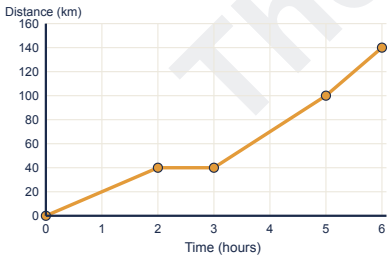
Answer: _____

16. What is the equation for distance d after t hours in the first part? Give the speed k in d = kt.



Answer: _____

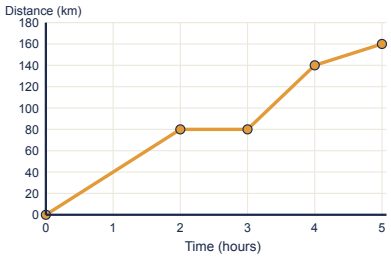
17. Find the average speed for the whole trip, including the stop, in km/h, to one decimal place.



Answer: _____

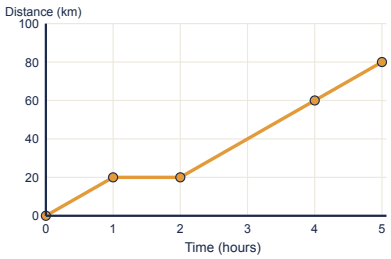
The Math Meridian

18. Work out the average speed for the whole trip, including the stop, in km/h, to one decimal place.



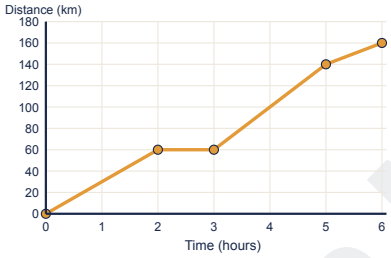
Answer: _____

19. Work out the equation for distance d after t hours in the first part. Give the speed k in d = kt.



Answer: _____

20. What is the average speed for the whole trip, including the stop, in km/h, to one decimal place?



Answer: _____

The Math Meridian

Answer key · Version X5643

Distance-time and other line graphs worksheet – Grade 8 · Grade 8 · to reprint this sheet or check the answers, enter X5643 on the skill page.

1. **1**
2. **20**
3. **A (Not moving)**
4. **160**
5. **100**
6. **120**
7. **140**
8. **10**
9. **20**
10. **40**
11. **20**
12. **B (After the stop)**
13. **A (A greater speed)**
14. **40**
15. **20**
16. **60**
17. **23.3**
18. **32**
19. **20**
20. **26.7**

The Math Meridian