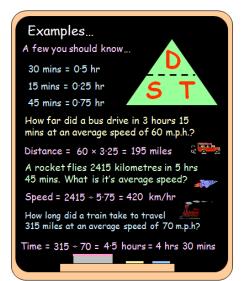
Outcome 1 - Calculating Distance, Speed & Time

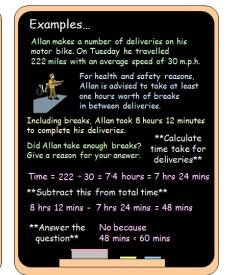
Bronze examples



Silver examples



Gold example



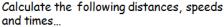
Bronze Questions

Calculate the following distances, speeds and times...

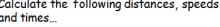
- - 5 = 60 m.p.h. T = 5 hrs 30 mins
- D = 175 miles S = 50 m.p.h. T = ?
- D = 1425 miles T = 4 hrs 45 mins
- D = ? S = 160 m.p.h. T = 5 hrs 30 mins
- D = 220 miles 5 = 80 m.p.h. T = ?

- D = 40 miles 5 = ?
 - T = 1 hr 45 mins
- $5 = 100 \, \text{km/hr}$ T = 3 hrs 15 mins
- D = 382.5 kilometres $5 = 90 \, \text{km/hr}$ T = ?
- D = 646.25 milesT = 11 hrs 45 mins
- $5 = 25 \, \text{km/hr}$ T = 6 hrs 15 mins

Silver Questions



- S = 40 m.p.h. T = 24 mins
- D = 217 miles 5 = 70 m.p.h. T = 2
- D = 1564.5 miles 5 = ? T = 7 hrs 27 mins
- D = 2 miles 5 = 60 m.p.h. T = 4 hrs 33 mins
- 5 = 60 m.p.h.T = 20 mins



- D = 96 miles 5 = 2 T = 1 hr 12 mins
- $5 = 40 \, \text{km/hr}$ T = 2 hrs 48 mins
 - D = 652 kilometres $5 = 80 \, \text{km/hr}$ T = ?
 - D = 132 miles T = 6 hrs 36 mins
 - D = 8 miles T = 16 mins

Gold Questions

- Jim arrives at his work at 9 am exactly. He travelled 32 miles and travelled at an average speed of 40 m.p.h. At what time must he have left his house?
- A down hill ski slop course is 0.92 kilometres long. Euan completed the course in 1 minute 55 seconds. Find his average speed in metres per second.





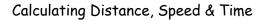


An overnight train left London at 2330 and arrived in Glasgow at 0618 the next day. The distance travelled by the train was 476 miles. Calculate the average speed of the train.

- Marie flew from Barbados to Glasgow at 1410 on the 9th June.
 - The distance from Barbados to Glasgow is 4120 miles.
 - The average speed of the plane was 400 m.p.h.
 - Glasgow time is 5 hours ahead of Barbados. On what date and at what time did Marie arrive in Glasgow?







Rig ur Maths

Bronze Answers

1. 330 miles 2. 70 m.p.h.

3. 3 hrs 30 mins 4. 325 kilometres

5. 300 m.p.h. 6. 4 hrs 15 mins 7. 880 miles 8. 55 m.p.h.

9. 2 hrs 45 mins 10. 156.25 kilometres

Silver Answers

 1.
 16 miles
 2.
 80 m.p.h.

 3.
 3 hrs 6 mins
 4.
 112 kilometres

 5.
 210 m.p.h.
 6.
 8 hrs 9 mins

 7.
 273 miles
 8.
 20 m.p.h.

 9.
 20 miles
 10.
 30 m.p.h.

Gold Answers

1. 8·12 am 2. 70 m.p.h.

3. 8 m/sec 4. 0528 on the 10th of June