



Year 10 Drama.

Creativity shown in designing a theatre model box for War Horse.

Excellent modelling and drawing skills shown.

(M) Distance  
m/s  
Speed × Time

Speed =  $\frac{\text{distance}}{\text{time}}$

Time =  $\frac{\text{distance}}{\text{speed}}$

distance = Speed × time

For equations EVERYtime  
E - equation  
V - values  
E - enter  
R - rearrange?  
Y - units

Example 1: t=20sec  
d=100m  
s =  $\frac{100}{20} = 5\text{m/s}$

Example 2: s =  $\frac{d}{t} = \frac{100}{12.5}$   
100 = 8 m/s  
12.5 d = 100  
t = 12.5

Example 3: s = 3.6  
t = 2h = 7200s  
d = s × t = 3.6 × 7200 = 25920m

1. d = 10m ✓  
t = 5s ✓  
s =  $\frac{d}{t} = \frac{10}{5} = 2\text{m/s} ✓$

2. d = 100m ✓  
t = 10s ✓  
s =  $\frac{d}{t} = \frac{100}{10} = 10\text{m/s} ✓$

3. d = t × s = 20 × 2 = 40m ✓  
t = 20s ✓  
s = 2m/s ✓

4. d = 500m ✓  
s = 250m/s ✓  
t =  $\frac{d}{s} = \frac{500}{250} = 2\text{s} ✓$

5. d = s × t = 10 × 10 = 100m ✓  
s = 10m/s ✓  
t = 10s ✓

6. d = 240m ✓  
t = 120s ✓  
s =  $\frac{240}{120} = 2\text{m/s} ✓$

7. d = 2km = 2000m ✓  
t = 10s ✓  
s =  $\frac{d}{t} = \frac{2000}{10} = 200\text{m/s} ✓$

7/7  
full mark

Year 7.  
Science

Excellent resilience shown in these speed equations and using the formula triangle well.  
Set out beautifully also!