12/06 **Representing Motion** #5

Agenda
- entrance task
- Walk/run data
- graphing Motion.

Figure 1

Finish calculating the Junkyard speeds!

Mrs frearson drove to the Summit to ski and it took her 40 mins. The distance she travelled was 25miles.

1. How fast did she drive?
2. After skiing she drove at the same speed for 3 more hours. How far did she travel?

1) Write equation
2) Substitute with units
3) Solve
4) Box answer with units

Learning Target: I can use a graph to show the motion of an object.

12/06 **Representing Motion** **#5**

Agenda
- entrance task
- Walk/run data
- graphing Motion.

Figure 1

Finish calculating the Junkyard speeds! (use average times)

1) Write equation
2) Substitute with units
3) Solve
4) Box answer with units

$d = 580\,m$

Which team was fastest?

Law Dawgs
13.48 m/sec

GMB
13.01 m/sec

Learning Target: I can use a graph to show the motion of an object.

Figure 1

Copy into your journal

	Distance (m)	Time (Min)	Total d (m)	Total t (min)
start				
Class to track	290			
Around track	400			
Back to school	175			

Pick up 1 timer per group

Learning Target: I can use a graph to show the motion of an object.

12/06 **Representing motion** **#5**

Calculate the speeds of each 'leg' of the trip

	Distance (m)	Time (Min)	Total d (m)	Total t (min)
start				
Class to track	290			
Around track	400			
Back to school	175			

Round to nearest .25 min

1
2
3

Leg 1

$S = \frac{d}{t}$

$S = \frac{290m}{3}$

$S =$ m/min

leg 2

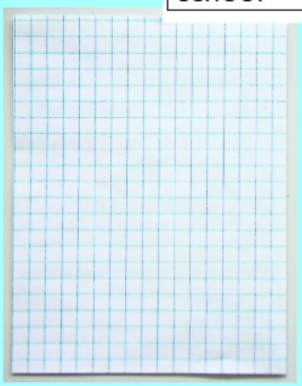
leg 3

Learning Target: I can use a graph to show the motion of an object.

12/06 **Representing motion** **#5**

Graph each 'leg' of the trip in a distance V time graph (speed graph)

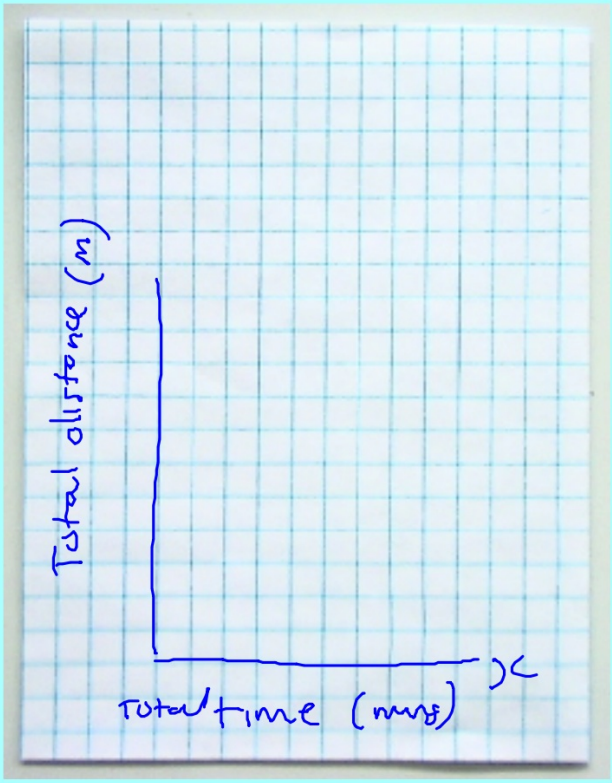
	Distance (m)	Time (Min)	Total d (m)	Total t (min)
start				
Class to track	290			
Around track	400			
Back to school	175			



graph distanceV time

Learning Target: I can use a graph to show the motion of an object.

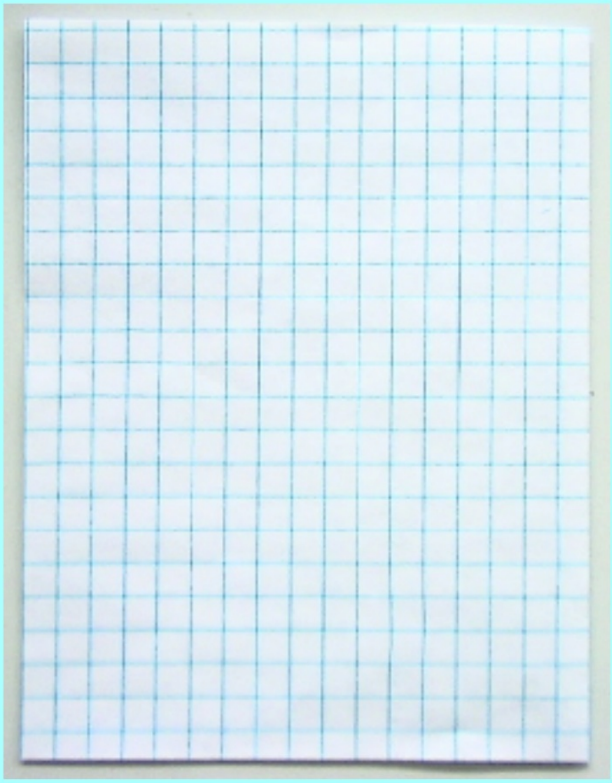
12/05 **Speed** **#4**



Walk | Run | stroll

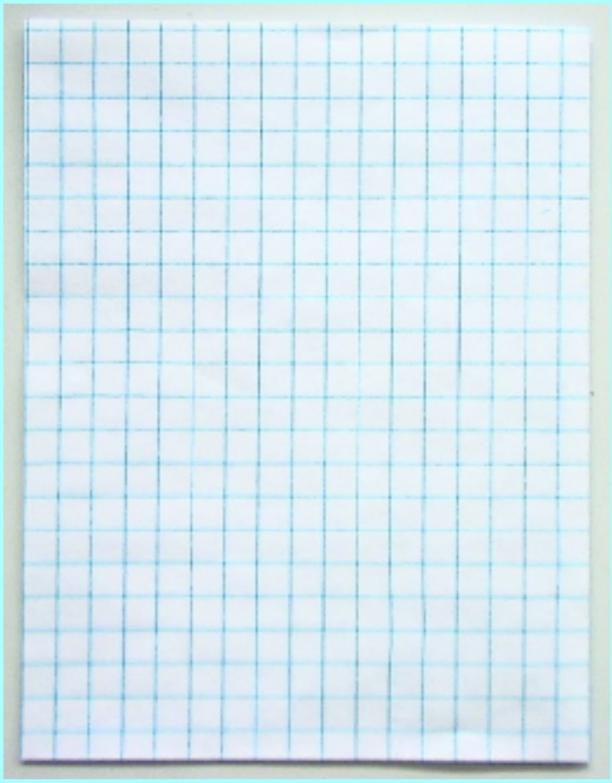
Learning Target: **I can critically evaluate a speed investigation**

12/05 Speed #4



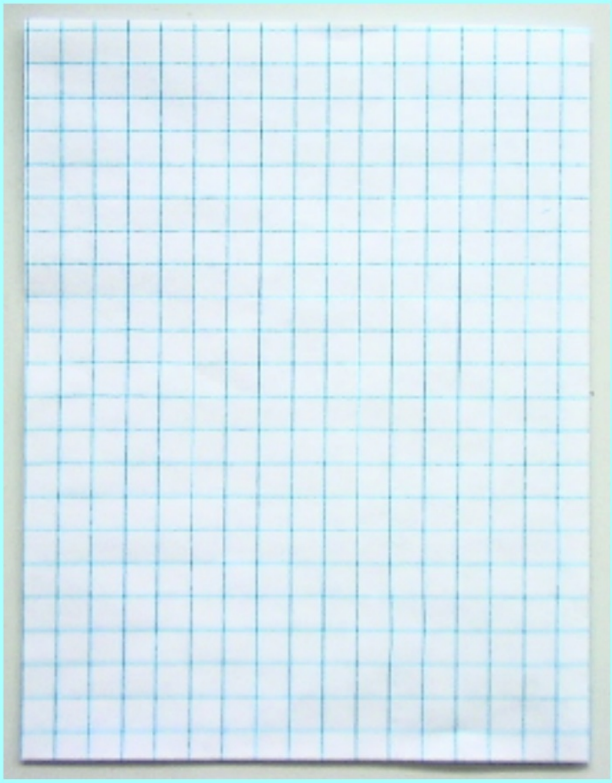
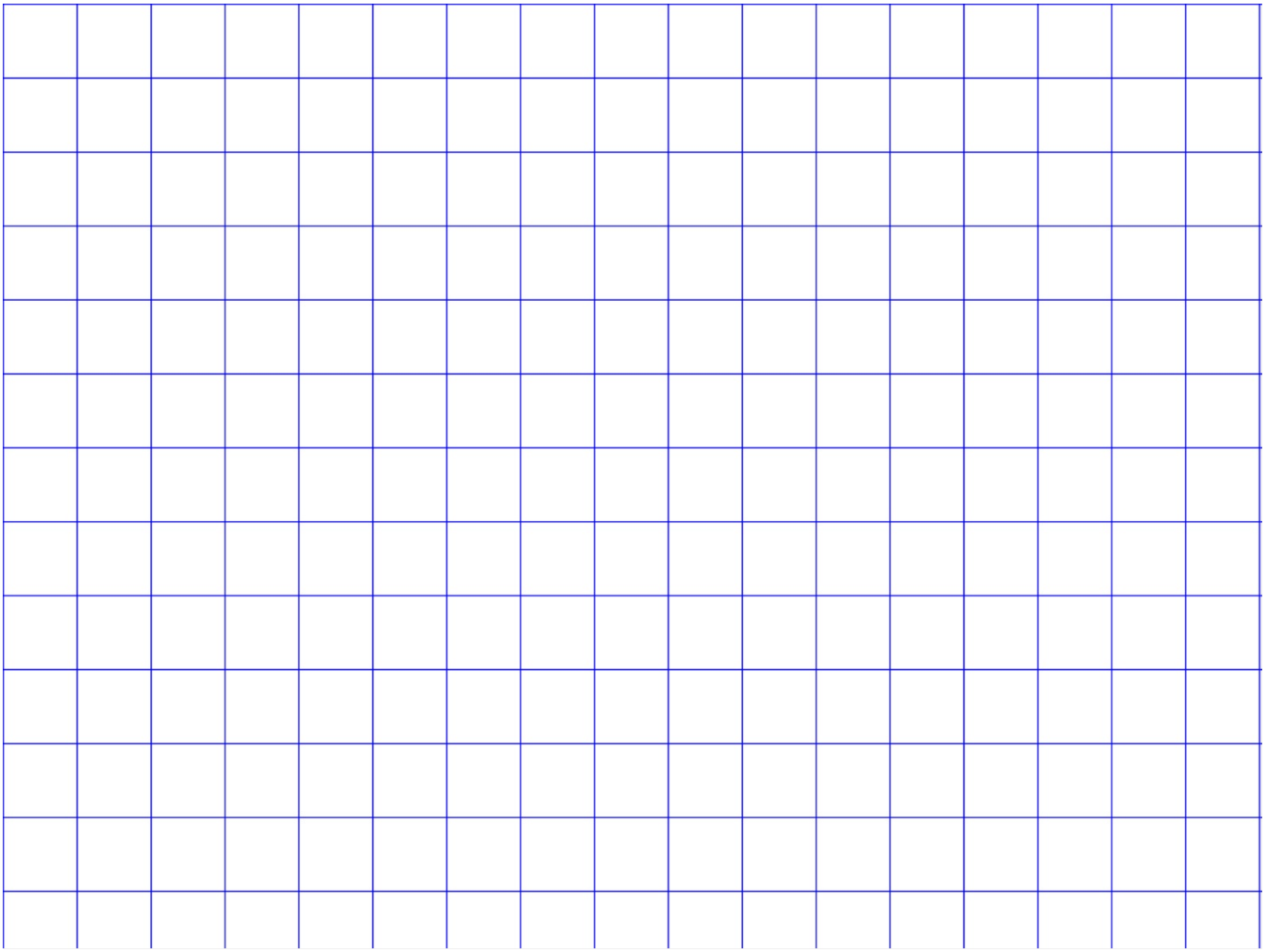
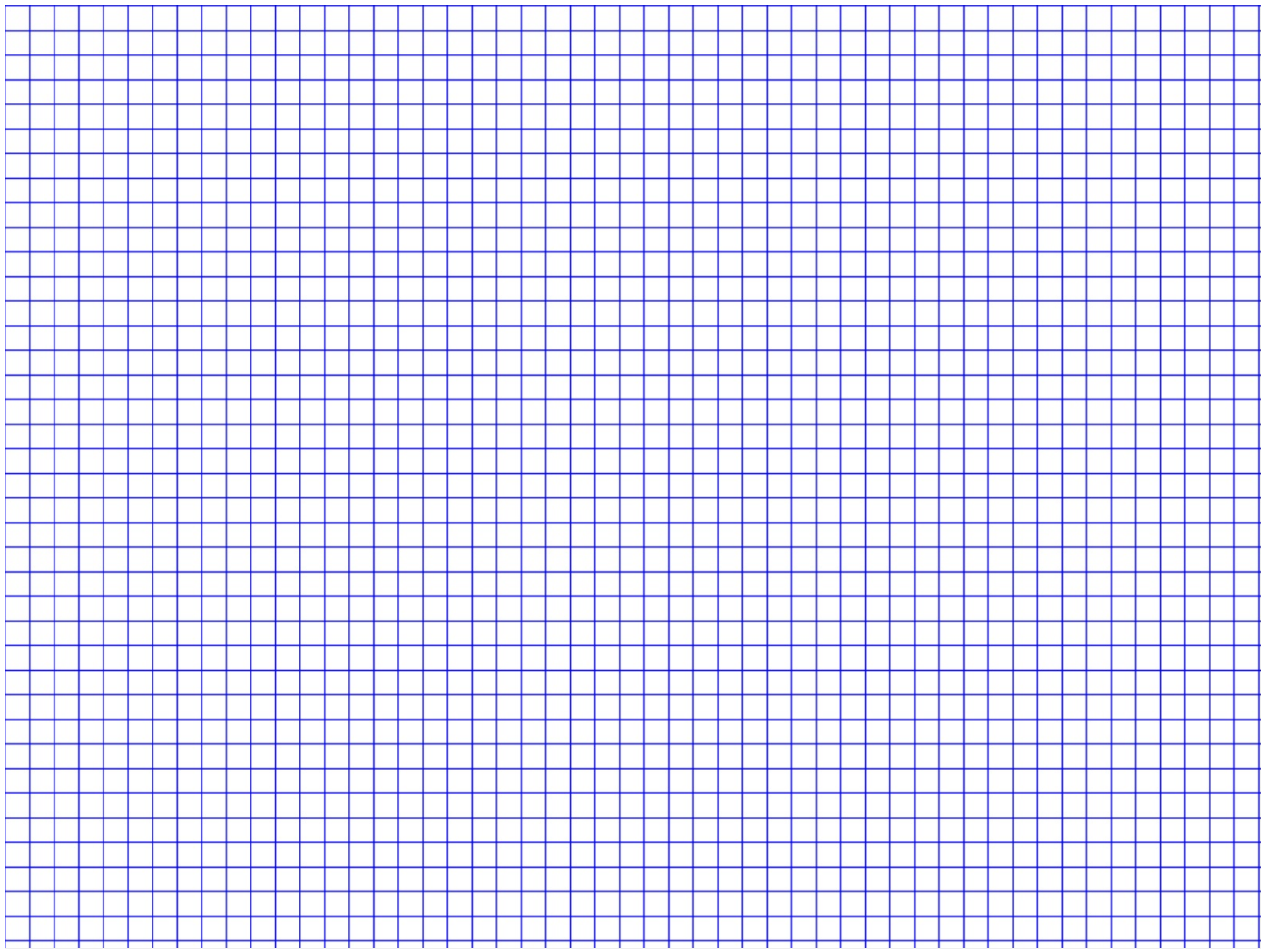
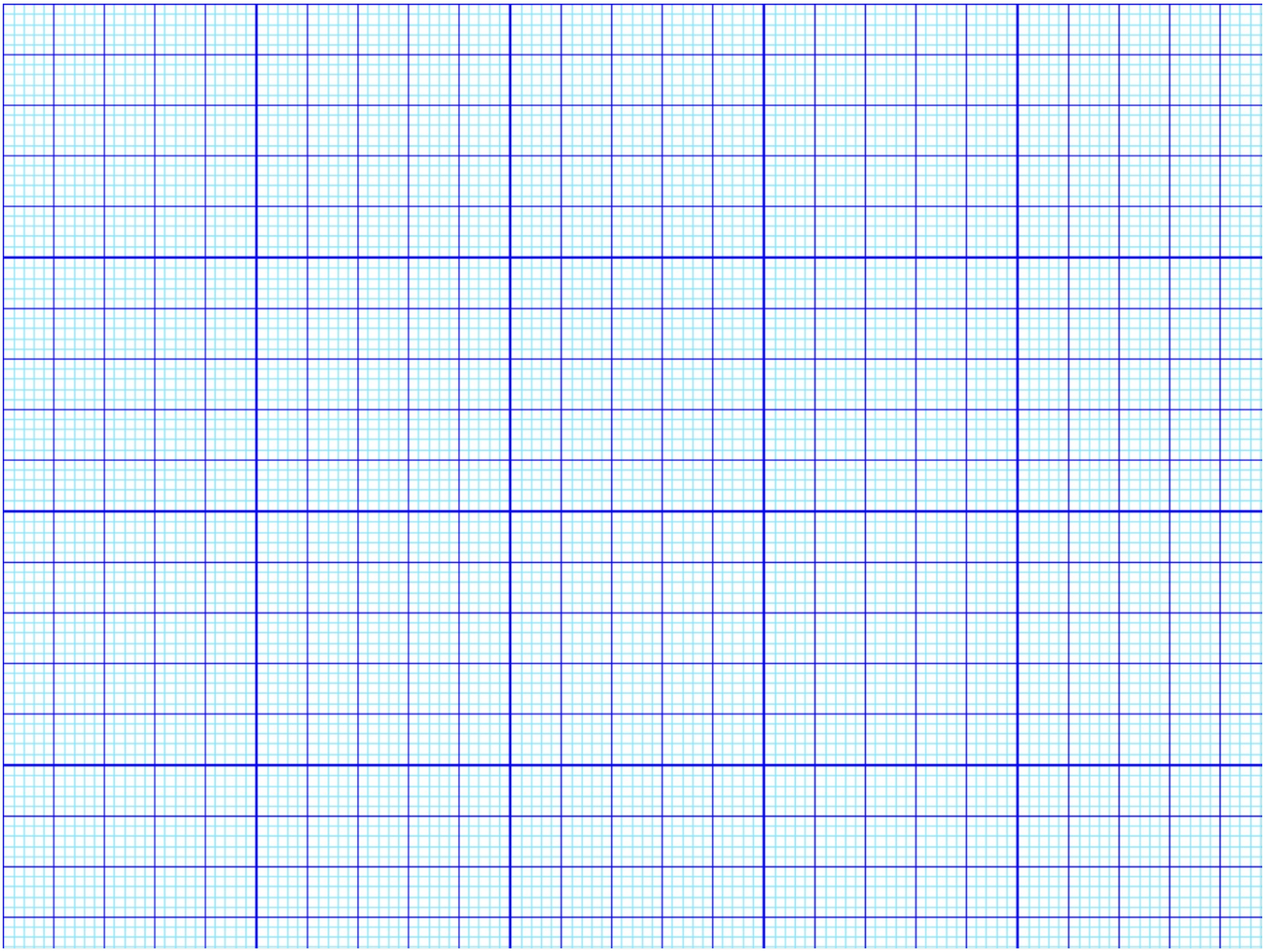
Learning Target: **I can critically evaluate a speed investigation**

12/05 Speed #4



Learning Target: **I can critically evaluate a speed investigation**

12/05 Speed #4



Learning Target: **I can critically evaluate a speed investigation**