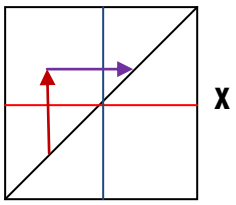
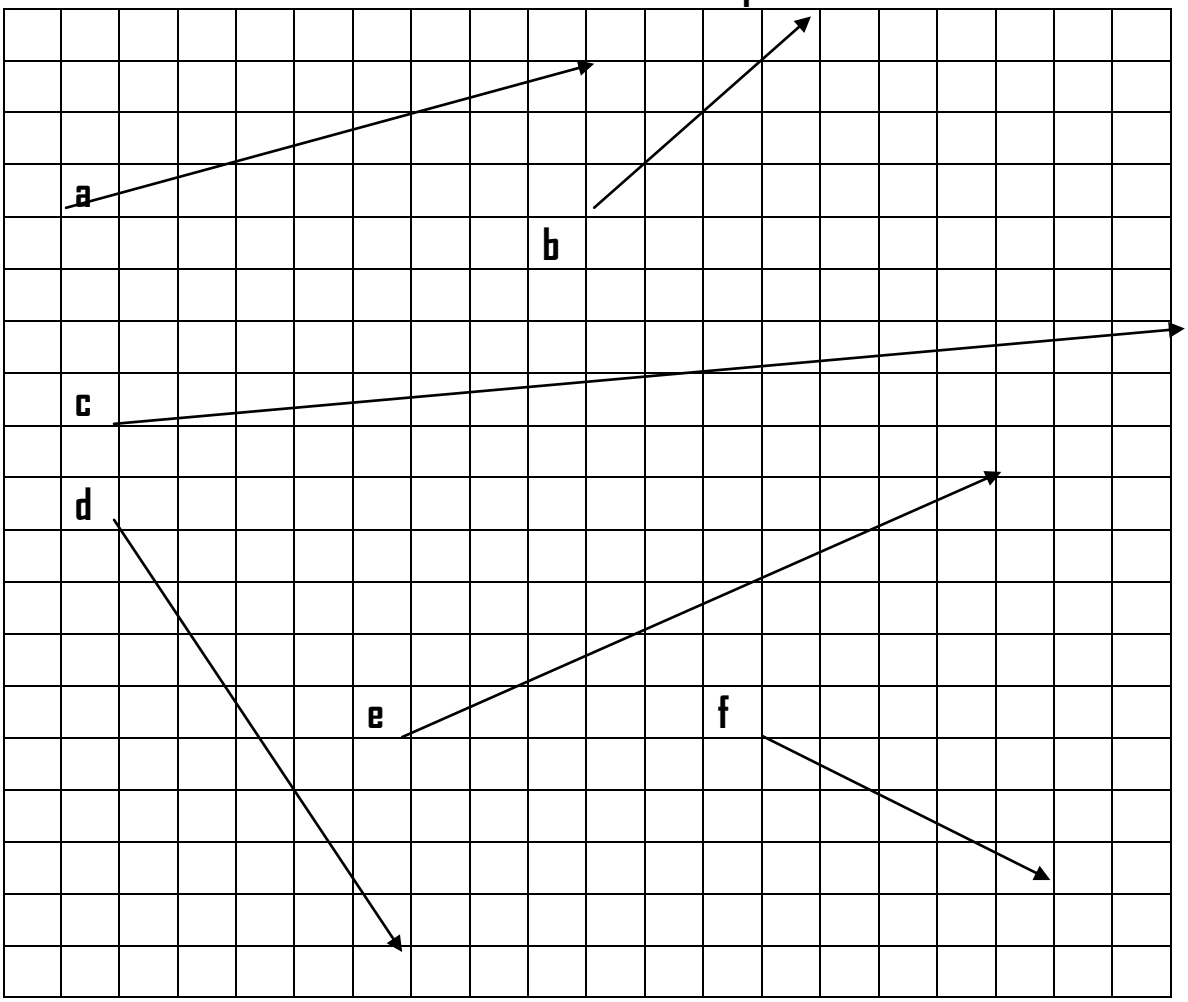
Slope of a Line

Basically the slope ratio of a line tells us how steep a line is and whether it's going up or down (increasing or decreasing). The slope is found by looking at the rise over the run.

Slope = $\frac{\text{rise}}{\text{run}}$



Measure the rise in these lines. Work out their slope.

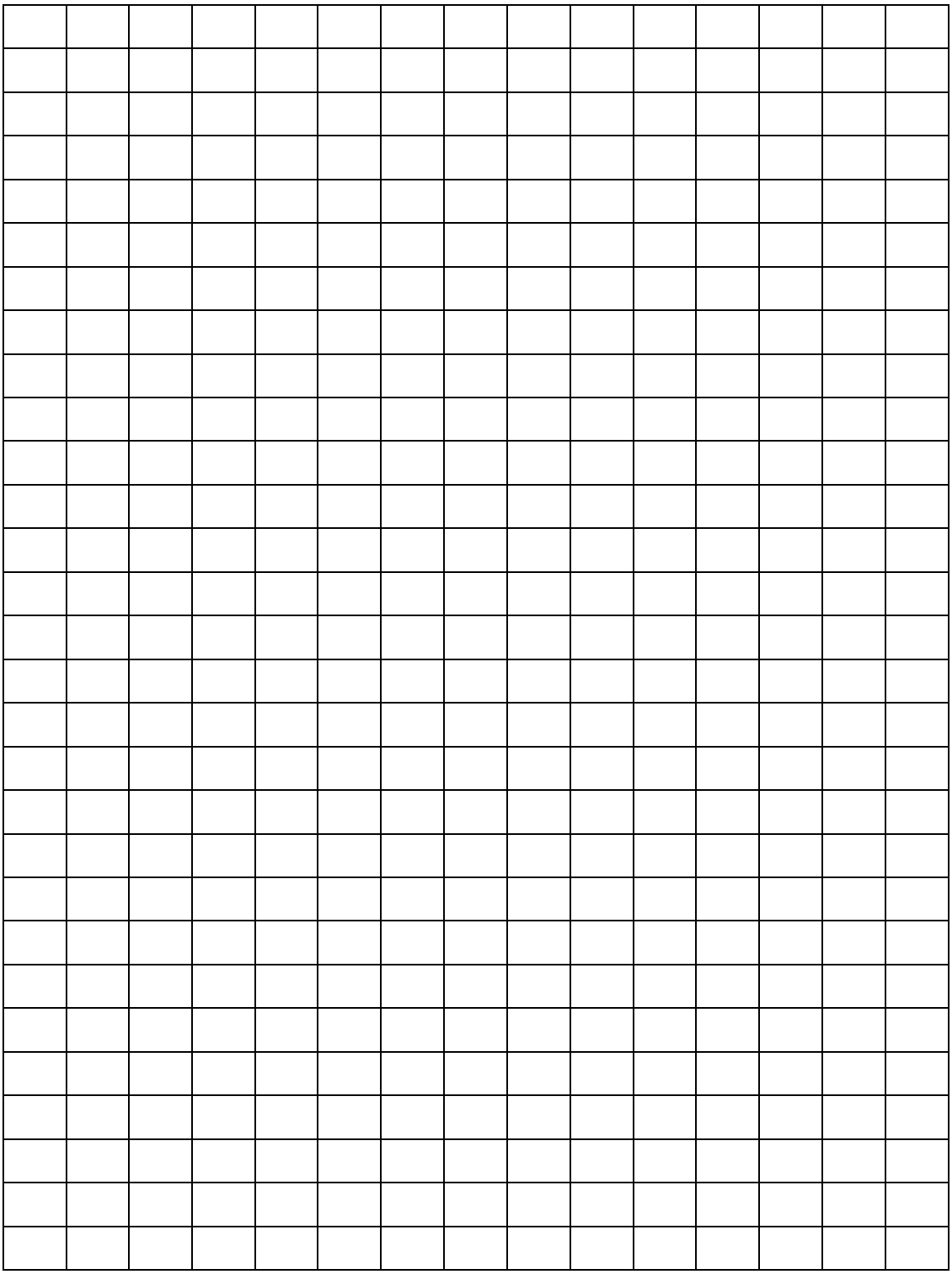


Which is steepest – a) a short rise and a long run?

b) a long rise and a short run?

Slopes are very important to badgers. They like to dig their setts on slopes, as it is easy to get deep very quickly. It is also better drained that a lot of flat land.

Now draw some lines of your own, at random, and work out their slope ratio.



Why not go out into the countryside and try to work out how steep some of the slopes are? If you know where there are setts, you could measure the slopes and work out if any are preferred to others, or what the range of slopes is.

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