

Target Work Ratio, Percentages, Simple Interest

Target Source..... Name.....

1) $3 : 5 = 12 : \square$

2) $4 : 9 = \square : 27$

3) $\square : 7 = 16 : 14$

- 4) A map has a scale of 1cm : 3 miles.
On the map, the distance between two towns is 7cm.

What is the actual distance between the two towns?
Include units for your answer.

- 5) A Model plane is made using a scale of 1 : 5.
- a) If the real length of the plane is 20m, what is the length of the model?
- b) If the wings of the model are 1.2m long, what is the actual length of the wings on the plane?

Target Work Ratio, Percentages, Simple Interest

- 6) 65% of a car, by weight, is steel and iron.
If a car weighs 1100kg, what is the weight of steel and iron in the car?
- 7) You deposit £400 into a bank account paying 5% simple interest per year. How much interest would you have earned after 4 years?