

CRAFT

Show All Your Working Out

Re-Teach

1.
Simplify the ratio 4:6..
Identify the highest common factor (HCF) of 4 and 6
Divide both parts of the ratio by the HCF
Write the new, simplified ratio
2.
Simplify the ratio 15:20.
3.
Simplify the ratio 9:12.
4.
Simplify the ratio 25:30.
5.
Simplify the ratio 14:21.

Consolidate

1.
Share £60 in the ratio 2:3.
2.
Simplify the ratio 18:24:30.
3.
A recipe uses flour and sugar in the ratio 5:2. If 300g of flour is used, how much sugar is needed?
4.
The ratio of red to blue counters in a bag is 3:5. If there are 24 blue counters, how many red counters are there?
5.
Divide 84kg into the ratio 1:2:4.

Master

1.
A company's profits are shared between two partners, A and B, in the ratio 3:5. After sharing, Partner B receives £12,500 more than Partner A. What was the total profit?
2.
The angles in a triangle are in the ratio 2:3:4. Find the size of each angle.
3.
In a school, the ratio of students who walk to school to those who take the bus is 5:3. The ratio of those who take the bus to those who cycle is 2:1. Find the ratio of those who walk : take the bus : cycle.
4.
A piece of string 120cm long is cut into two pieces in the ratio 3:1. The longer piece is then cut into three equal parts. What is the length of each of these three smaller parts?
5.
A map scale is 1:25000. The distance between two villages on the map is 8cm. What is the actual distance in kilometres?