

### **Writing one quantity as a fraction of another**

To write quantity  $A$  as a fraction of quantity  $B$  we create the fraction  $\frac{A}{B}$  and simplify it, if possible.

#### **Examples**

1. Write 20 as a fraction of 30, giving the fraction in its simplest form.
2. Write 15 as a fraction of 20, giving the fraction in its simplest form.
3. Write 18 as a fraction of 72, giving the fraction in its simplest form.

#### **Exercise**

1. Write 40 as a fraction of 50, giving the fraction in its simplest form.
2. Write 9 as a fraction of 12, giving the fraction in its simplest form.
3. Write 15 as a fraction of 30, giving the fraction in its simplest form.
4. Write 12 as a fraction of 60, giving the fraction in its simplest form.
5. Write 14 as a fraction of 21, giving the fraction in its simplest form.
6. Write 18 as a fraction of 22, giving the fraction in its simplest form.
7. Write 45 as a fraction of 70, giving the fraction in its simplest form.
8. Write 36 as a fraction of 63, giving the fraction in its simplest form.

9. Write 17 as a fraction of 42, giving the fraction in its simplest form.
  
10. Write 36 as a fraction of 54, giving the fraction in its simplest form.
11. Write 27 as a fraction of 45, giving the fraction in its simplest form.
  
12. Write 12 as a fraction of 21, giving the fraction in its simplest form.
  
13. Write 35 as a fraction of 42, giving the fraction in its simplest form.
  
14. Write 24 as a fraction of 54, giving the fraction in its simplest form.
  
15. Write 76 as a fraction of 100, giving the fraction in its simplest form.
  
16. Write 54 as a fraction of 80, giving the fraction in its simplest form.
  
17. Write 46 as a fraction of 96, giving the fraction in its simplest form.
  
18. Write 28 as a fraction of 84, giving the fraction in its simplest form.
  
19. Write 27 as a fraction of 108, giving the fraction in its simplest form.
  
20. Write 105 as a fraction of 154, giving the fraction in its simplest form.
  
21. Write  $45p$  as a fraction of  $\pounds 2$ , giving the fraction in its simplest form.
  
22. Write  $750m$  as a fraction of  $3km$ , giving the fraction in its simplest form.
  
23. Write 24 minutes as a fraction of 1 hour, giving the fraction in its simplest form.
  
24. In a school of 280 children, 120 are boys. In its simplest form, what fraction of the children at the school are girls?

25. A man cycles for 16 miles and then walks for a further 4 miles. In its simplest form, write down the fraction of the total journey he completed by cycling.

26. At a particular company, 18 people travel to work by bus, 8 travel by train, 29 travel by car and 5 walk. What fraction of the company's employees travel to work by train? Give your answer in its simplest form.