

## Red

**Step 1 : Divide the whole amount by the denominator (remember, the denominator is downstairs!).**

**Step 2 : Multiply the answer you get by the numerator.**

- 1) Find  $\frac{2}{5}$  of 30 = 12
- 2) Find  $\frac{3}{4}$  of 36 = 27
- 3) Find  $\frac{2}{5}$  of 20 = 8
- 4) Find  $\frac{2}{4}$  of 40 = 20
- 5) Find  $\frac{2}{3}$  of 18 = 12
- 6) Find  $\frac{4}{6}$  of 66 = 44
- 7) Find  $\frac{3}{5}$  of 40 = 24
- 8) Find  $\frac{4}{5}$  of 55 = 44

## Yellow

**Step 1 : Divide the whole amount by the denominator (remember, the denominator is downstairs!).**

**Step 2 : Multiply the answer you get by the numerator.**

- 1) Find  $\frac{4}{5}$  of 55 = 44
- 2) Find  $\frac{6}{8}$  of 72 = 54
- 3) Find  $\frac{5}{6}$  of 72 = 60
- 4) Find  $\frac{3}{4}$  of 48 = 36
- 5) Find  $\frac{7}{9}$  of 81 = 63
- 6) There are different species of cat at the safari park.  $\frac{2}{3}$  of the safari park's 18 cats are big cats. How many big cats live at the safari park? **12 big cats**
- 7) There are 75 species of fish at the safari park. If  $\frac{2}{5}$  of the species live in freshwater conditions, how many species are freshwater fish? **30 species are freshwater fish**
- 8) 27 of the lemurs at the safari park are ring-tailed lemurs.  $\frac{3}{9}$  of those make up one family. How many of the ring-tailed lemurs are related? **9 ring-tailed lemurs are related**

## Green

- 1) There are 75 species of fish at the safari park, living in marine and freshwater environments. If  $\frac{2}{5}$  of the species live in freshwater conditions, how many species are freshwater fish? **30 species are freshwater fish**
- 2) 27 of the lemurs at the safari park are ring-tailed lemurs.  $\frac{3}{9}$  of those make up one family. How many of the ring-tailed lemurs are related? **9 ring-tailed lemurs are related**
- 3) Giraffes, tapirs and antelope are just some of the 54 hoofed animals that live at the safari park. Africa is the native home of  $\frac{5}{6}$  of them. How many hoofed animals come from Africa? **45 hoofed animals come from Africa**
- 4)  $\frac{4}{7}$  of the safari park's 49 meerkats are female. How many female meerkats live at the safari park? **28 female meerkats**
- 5) There are 2 species of flamingos living in the safari park, Caribbean and Chilean. Of the 72 flamingos,  $\frac{4}{9}$  of them are Caribbean, which are the brightest pink of all flamingos. How many Caribbean flamingos does the safari park have? **32 Caribbean flamingos**
- 6) There were 120 children going on a school trip. Each coach took  $\frac{1}{2}$  the children each. On coach B,  $\frac{1}{6}$  of the children had medication with them.
  - a. How many children were on Coach B? **60 children**
  - b. How many children had medication on Coach B? **10 children**

The game show host invites you to choose a box to open.  
Which box has the most money in it?  
You have three rounds.

Round 1

$\frac{1}{3}$ of £65 A	$\frac{1}{6}$ of £84 B
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Round 2

$\frac{1}{3}$ of £54 C	$\frac{1}{7}$ of £112 D
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Round 3

$\frac{1}{8}$ of £96 E	$\frac{1}{3}$ of £45 F	$\frac{1}{3}$ of £70 G
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Make up a "Would you rather?" problem for friends to solve.  
Make it as tricky as you can!

### Game show

Round 1: a = £13, b = £14

Round 2: c = £18, d = £16

Round 3: e = 12, f = 15, g = 14