

I can find  $\frac{1}{2}$ ,  $\frac{1}{4}$  or  $\frac{1}{8}$  of amounts by repeated halving.

*Examples*

$\frac{1}{2}$  of 24 = 12

$\frac{1}{4}$  of 24 = 6

$\frac{1}{8}$  of 24 = 3

$\frac{1}{2}$  of £1.60 = 80p

$\frac{1}{4}$  of £1.60 = 40p ( $\frac{1}{2}$  of 80p)

$\frac{1}{8}$  of £1.60 = 20p ( $\frac{1}{2}$  of 40p)



**A**

Find

- 1  $\frac{1}{2}$  of 8 counters  
 $\frac{1}{4}$  of 8 counters
- 2  $\frac{1}{2}$  of 20 counters  
 $\frac{1}{4}$  of 20 counters
- 3  $\frac{1}{2}$  of 12 counters  
 $\frac{1}{4}$  of 12 counters
- 4  $\frac{1}{2}$  of 16 counters  
 $\frac{1}{4}$  of 16 counters

Copy and complete by writing a letter in each box.



- 5  shows one half
- 6  shows one quarter

Copy and complete by writing a fraction in each box.



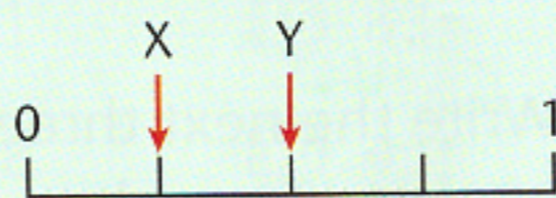
- 7 D shows  past one.
- 8 A shows  past twelve.
- 9 B shows  past twelve.
- 10 C shows  past one.

**B**

Find

- 1  $\frac{1}{4}$  of 28 counters
- 2  $\frac{1}{8}$  of 16 counters
- 3  $\frac{1}{4}$  of 60p
- 4  $\frac{1}{8}$  of 48p
- 5  $\frac{1}{4}$  of 32 cm
- 6  $\frac{1}{8}$  of 80 cm
- 7  $\frac{1}{4}$  of £10.00
- 8  $\frac{1}{8}$  of £8.00

- 9 Write the fraction shown by each letter on the number line.



- 10 Write the time shown by each letter.



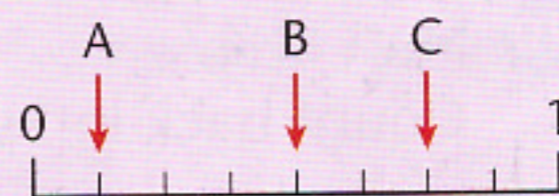
- 11 Jay has 16 sweets. He eats one quarter of them. How many sweets does he have left?
- 12 Alice has 24 books. One quarter of them are stories. How many are non-fiction?

**C**

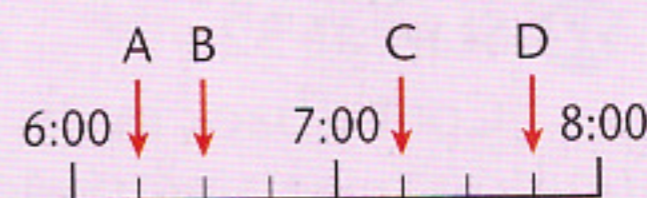
Find

- 1  $\frac{1}{4}$  of £3.00
- 2  $\frac{1}{8}$  of £2.00
- 3  $\frac{1}{4}$  of 1 metre
- 4  $\frac{1}{8}$  of 48 cm
- 5  $\frac{1}{3}$  of 24 counters
- 6  $\frac{1}{6}$  of 24 counters
- 7  $\frac{1}{5}$  of 20 counters
- 8  $\frac{1}{10}$  of 20 counters
- 9  $\frac{1}{4}$  of 16p
- 10  $\frac{3}{4}$  of 16p
- 11  $\frac{1}{4}$  of 40 cm
- 12  $\frac{3}{4}$  of 40 cm

- 13 Write the fraction shown by each letter.



- 14 Write the time shown by each letter.



What fraction of £1 is:

- 15 50p
- 16 25p
- 17 75p
- 18 10p?