put over 100
or
Top ÷ Bott

Fract → Dec → % (X 100)

Fract ← Dec ← % (÷100)

place values

% Mentally

Ex) 10% of 85 = 8.5

10% of # is like ÷ by 10

↳ can be use to get 20%, 30%, 40%, 50%, 60%, ... by using multiply

Ex) 70% of 140 =>

↓ start with 10%

10% of 140 = 14 (x7)

70% of 140 = 98

Use 10% to get 5% of a number

Ex) 5% of 126

start with 10% of 126 = 12.6

↓ To get 5% ÷2 (↓ ÷2)

5% of 126 = 6.3

25% of a number is like divide # by 4

Ex) 25% of 120 = 30
(like 120÷4)

→ 75% of a number, first find 25% of # then multiply answer by 3 to get 75% of #

Ex) 75% of 240

↓ start with

25% of 240 = 60 (x3)

75% of 240 = 180

Mentally % of # continued

50% of a number is like ÷ # by 2

Ex) 50% of 140 = 70
(like 140 ÷ 2)

1% of a number is like ÷ # by 100

Ex) 1% of 180 = 1.80

→ use this to get multiples 2%, 3%, 4%...
by multiplying answer by factor

Ex) 7% of 2800 =
↓ start with 1% of 2800 = 28
(×7) (×7)

7% of 2800 = 196

15% of number → find 10% of number
then
5% of number
Then add answers

Ex) 15% of 200
↓ start with 10% of 200 = 20 (÷2)
(÷2)
5% of 200 = 10

15% of 200 = (20+10) = 30

Tax $ = 15% × Price
↓ use decimal
= 0.15 × Price

Cost with Tax = Price + Tax $

Save
Discount $ = % × Price
↓ Use decimal
× Price

Sales Price = Price − Saved Discount $

$$\%\text{Diff} = \frac{\text{Diff}}{\text{original}} \times 100$$

Remember
Difference = Big − Small

Sales Tax

Tax $ = 15% of Price

= 0.15 x Price

= $

Cost with tax = Price + Tax $

=Price + Tax $

= $

Discounts

Saved $ = % of Price

Change percent to
decimal by dividing by 100

= decimal x Price

= $

Sales Price = Price - Saved $