The method: Mixed practice

Read each problem carefully: percent, ratio, or proportion?

$\frac{x}{2} = \frac{18}{12}$ $x = 3$

$x \times 12 = 2 \times 18$ cross multiply

$12x = 36$

$x = 3$ divide both sides by 12

36 is 75 % of 48

$\frac{36}{48} = \frac{75}{100} = 75\%$ part over whole, then write as hundredths

$60\% \text{ of } 80 = \frac{60}{100} \times 80 = \frac{4800}{100} = 48$ "of" means times

Problems 1 and 2 worked out · Version 0A

60 is 20% of 300

$60 \div 0.2 = 300$ divide the part by the percent (20% = 0.2)

$75\% \text{ of } 20 = \frac{75}{100} \times 20 = \frac{1500}{100} = 15$ "of" means times

Mixed practice · Version 0A

1) 300 2) 15 3) 225 4) 120 5) 300 6) 300
7) 150 8) 120 9) 50 10) 300 11) x = 25 12) 30
13) 30 14) 12 15) x = 7 16) x = 1 17) x = 18
18) x = 6 19) x = 9 20) 20 21) 5 22) 6 23) 75
24) 200