

Algebra lesson 1: Quiz

Pre-requisite knowledge:

① $15 + 7 =$

⑥ $-1 + -1 =$

② $18 - 9 =$

⑦ $-1 - -1 =$

③ $5 \times 8 =$

⑧ $-1 \times -1 =$

④ $12 \div 3 =$

⑨ $-1 \div -1 =$

⑤ $\frac{1}{2} + \frac{3}{5} =$

⑩ $5 + -10 =$

Order of operations

① $9 + 7 - 5 =$

⑨ $(4 - 5) \times -1 =$

② $9 + 7 \times 5 =$

⑩ $4 - 5 \times -1 =$

③ $(9 + 7) \times 5 =$

⑪ $-4 - -5 + 2 \times -3 =$

④ $9 + 7^2 \times 2 =$

⑫ $(3 + 2)^2 - 3 =$

⑤ $8 \div 2 + 2 =$

⑥ $8 \div (2 + 2) =$

⑦ $(8 - 2 \times 3 + 4) \div 3 =$

⑧ $10 + 8 \div 2 + 3 \times 2 \div 3 =$

Find the value of x by guess & check

① $x + 5 = 12$ $x = ?$

② $x \times 7 = 35$ $x =$

③ $30 - x = 15$ $x =$

④ $40 + x = 45$ $x =$

⑤ $18 \div x = 6$ $x =$

⑥ $\frac{27}{x} = 9$ $x =$

Re-write the following equations to make the circled term the subject.

Example ① $5 + \textcircled{7} = 12$

Answer: $7 = 12 - 5$

Example ② $\textcircled{8} \times 4 = 32$

Answer: $8 = 32 \div 4$

① $\textcircled{20} - 5 = 15$

② $7 - \textcircled{13} = -6$

③ $100 \div \textcircled{2} = 50$

④ $\textcircled{9} \times 8 = 72$