

מבחן בחשבון לכיתה ז' - סדר פעולות חשבון עם סוגריים

כולל תשובות

1. $30 - 5 \times (8 - 4) - 10 + 4 =$

2. $(80 - 40) \div 5 \times 2 =$

3. $10 \times (6 \div 3) + 3 + 2 =$

4. $(50 - 32 \div 4 \times 2) - 12 - =$

5. $60 \div \left(\overbrace{\square \div 4}^x \right) = 30 \rightarrow x = \square \div 4$

6. $10(2 \quad 4) + 2 = 82$

7. $11 + 4x(2 + 3) =$

8. $80 - 15 + 10 - 5 =$

9. $(6 \times 3 - 2 \times 9) \div (2 + 3 \times 4) =$

10. $\{4 + [4 + (8 + 8 \times 9 - 20) \div 10] \div 2\} \div 3 =$

בהצלחה ☺

תשובות בעמוד הבא



מבחן בחשבון לכיתה ז' - סדר פעולות חשבון עם סוגריים - תשובות

1. $30 - 5 \times (8 - 4) - 10 + 4 =$

$$= 30 - \overbrace{5 \times 4}^{20} - 10 + 4 = \overbrace{30 - 20}^{10} - 10 + 4 = 4$$

2. $(80 - 40) \div 5 \times 2 =$

$$\overbrace{(80 - 40)}^{40} \div 5 \times 2 = \overbrace{40 \div 5}^8 \times 2 = 8 \times 2 = 16$$

3. $10 \times (6 \div 3) + 3 + 2 =$

$$= 10 \times \overbrace{(6 \div 3)}^2 + 3 + 2 = \overbrace{(10 \times 2)}^{20} + 3 + 2 = 25$$

4. $(50 - 32 \div 4 \times 2) - 12 - \square =$

$$= (50 - \overbrace{8 \times 2}^{16}) - 12 - \square = 12$$

$$= \left(50 - \overbrace{8 \times 2}^{16} \right) - 12 - \square = 12$$

$$= \left(\overbrace{50 - 16}^{32} \right) - 12 - \square = 12$$

$$= \frac{32 - 12}{20} - \square = 12$$

$$20 - \square = 12 \rightarrow 20 - 8 = 12$$

5. $60 \div \left(\overbrace{\square \div 4}^x \right) = 30 \rightarrow x = \square \div 4$

$$= 60 \div x = 30$$

$$= x = 2 \rightarrow 2 = \square \div 4 \rightarrow 2 = 8 \div 4$$

$$= 60 \div \left(\overbrace{8 \div 4}^2 \right) = 30 \rightarrow 60 \div 2 = 30$$



6. $10(2 \quad 4) + 2 = 82$

$$10 \times (?) + 2 = 82 \rightarrow ? = 8$$

$$10 \times \left(\overbrace{2 \times 4}^8 \right) + 2 = 82$$

7. $11 + 4x(2 + 3) =$

$$11 + 4 \times \left(\overbrace{2 + 3}^5 \right) = \rightarrow 11 + 4 \times 5 = \rightarrow 11 + 20 = 31$$

8. $80 - 15 + 10 - 5 =$

$$\overbrace{80 - 15}^{65} + \overbrace{10 - 5}^5 = 65 + 5 = 70$$

9. $(6 \times 3 - 2 \times 9) \div (2 + 3 \times 4) =$

$$\left(\overbrace{6 \times 3}^{18} - \overbrace{2 \times 9}^{18} \right) \div \left(2 + \overbrace{3 \times 4}^{12} \right) =$$

$$(18 - 18) \div (2 + 12) = \rightarrow 0 \div 14 = 0$$

10. $\{4 + [4 + (8 + 8 \times 9 - 20) \div 10] \div 2\} \div 3 =$

$$\{4 + [4 + (8 + 72 - 20) \div 10] \div 2\} \div 3 =$$

$$\{4 + [4 + \overbrace{60 \div 10}^6] \div 2\} \div 3 =$$

$$\left\{ 4 + \overbrace{[4 + 6] \div 2}^{10} \right\} \div 3 =$$

$$\{4 + 10 \div 2\} \div 3 =$$

$$\overbrace{\{4 + 5\}}^9 \div 3 =$$

$$9 \div 3 = 3$$

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