

Übungsblatt Ganze Zahlen 2

1. $- 7 : (-7) =$ $- 42 : (-7) =$

2. $- 35 : 5 =$ $- 20 : (-4) =$

3. $- 18 : 9 =$ $- 32 : (-4) =$

4. $- \frac{5}{8} : (-\frac{15}{4}) =$ $\frac{21}{8} : \frac{9}{4} =$

5. $- \frac{315}{100} : \frac{9}{4} =$ $\frac{91}{18} : \frac{7}{3} =$

6. $- (-\frac{1}{6}) \cdot (-\frac{5}{2})^2 =$ $- (-\frac{3}{2}) \cdot (\frac{5}{2})^2 =$

7. $4 + (-1) + (-4) =$ $(-9) + 3 + (-5) =$

8. $(-6) + (-7) + 8 + 6 =$

9. $7 - (9 + 3) =$ $(-4) - (-5 + 5) =$

10. $4 - (-5) - 9 =$ $1 - (-2) - 5 =$

11. $(-3) \cdot (8 + 2) =$ $1 \cdot [(-1) + 1] =$

12. $7 \cdot [2 - (-5)] =$ $5 \cdot [(-9) - 8] =$

13. $\frac{9}{4} - \frac{11}{2} - 2 =$ $\frac{4}{5} - \frac{11}{2} - (-\frac{5}{2}) =$

14. $\frac{2}{3} - \frac{7}{2} + \frac{3}{5} - (-\frac{10}{3}) =$

15. $\frac{19}{3} \cdot (\frac{7}{5} + (-4)) =$ $(-\frac{7}{6}) \cdot (\frac{5}{3} + (-\frac{7}{2})) =$

16. $|-34| =$ 16.

$$|21| =$$

$$|(-3) \cdot (-34)| =$$

17. $|-20 + 18 - (-6)| =$ 17.

$$|-17 - 5 + 1| =$$

$$|21 - 55 + (-11)| =$$

18. $|2| - |-15| =$ 18.

$$|-10| + |-14| =$$

$$|17| - |-19| + |5| =$$

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|-----|---|---|---|---|-----|
| 1. | - | $7 : (-7) = 1$ | - | $42 : (-7) = 6$ | |
| 2. | - | $35 : 5 = -7$ | - | $20 : (-4) = 5$ | |
| 3. | - | $18 : 9 = -2$ | - | $32 : (-4) = 8$ | |
| 4. | - | $\frac{5}{8} : (-\frac{15}{4}) = \frac{1}{6}$ | | $\frac{21}{8} : \frac{9}{4} = \frac{7}{6}$ | |
| 5. | - | $\frac{315}{100} : \frac{9}{4} = -\frac{7}{5}$ | | $\frac{91}{18} : \frac{7}{3} = \frac{13}{6}$ | |
| 6. | - | $(-\frac{1}{6}) \cdot (-\frac{5}{2})^2 = \frac{25}{24}$ | - | $(-\frac{3}{2}) \cdot (\frac{5}{2})^2 = \frac{75}{8}$ | |
| 7. | | $4 + (-1) + (-4) = -1$ | | $(-9) + 3 + (-5) = -11$ | |
| 8. | | $(-6) + (-7) + 8 + 6 = 1$ | | | |
| 9. | | $7 - (9 + 3) = -5$ | | $(-4) - (-5 + 5) = -4$ | |
| 10. | | $4 - (-5) - 9 = 0$ | | $1 - (-2) - 5 = -2$ | |
| 11. | | $(-3) \cdot (8 + 2) = -30$ | | $1 \cdot [(-1) + 1] = 0$ | |
| 12. | | $7 \cdot [2 - (-5)] = 49$ | | $5 \cdot [(-9) - 8] = -85$ | |
| 13. | | $\frac{9}{4} - \frac{11}{2} - 2 = -\frac{21}{4}$ | | $\frac{4}{5} - \frac{11}{2} - (-\frac{5}{2}) = -\frac{11}{5}$ | |
| 14. | | $\frac{2}{3} - \frac{7}{2} + \frac{3}{5} - (-\frac{10}{3}) = \frac{11}{10}$ | | | |
| 15. | | $\frac{19}{3} \cdot (\frac{7}{5} + (-4)) = -\frac{247}{15}$ | | $(-\frac{7}{6}) \cdot (\frac{5}{3} + (-\frac{7}{2})) = \frac{77}{36}$ | |
| 16. | | $ -34 =$ | | 16. | 34 |
| | | $ 21 =$ | | | 21 |
| | | $ (-3) \cdot (-34) =$ | | | 102 |
| 17. | | $ -20 + 18 - (-6) =$ | | 17. | 4 |
| | | $ -17 - 5 + 1 =$ | | | 21 |
| | | $ 21 - 55 + (-11) =$ | | | 45 |
| 18. | | $ 2 - -15 =$ | | 18. | -13 |
| | | $ -10 + -14 =$ | | | 24 |
| | | $ 17 - -19 + 5 =$ | | | 3 |