

Find the sums. Do not use the number line.

1.  $(+9) + (+7)$

2.  $(-6) + (-8)$

3.  $(-23) + (+18)$

4.  $(+7) + (-8)$

5.  $(-5) + (-12)$

6.  $(+42) + (+181)$

7.  $(+62) + (-59)$

8.  $(-82) + (-83)$

9.  $(+14) + (-25)$

10.  $(-17) + (-18)$

11.  $(+24) + (+5)$

12.  $(-35) + (-16)$

13.  $(9) + (-4) + (-6) + (7)$

14.  $(+15) + (-9) + (-8) + (+12) + (-16)$

15.  $(-3) + (6) + (9)$

16. 
$$\begin{array}{r} +17 \\ +(-6) \end{array}$$

17. 
$$\begin{array}{r} -24 \\ +(-8) \end{array}$$

18. 
$$\begin{array}{r} -31 \\ +(+16) \end{array}$$

19. 
$$\begin{array}{r} +35 \\ +(+54) \end{array}$$

20. 
$$\begin{array}{r} -6 \\ +(+8) \end{array}$$

21. 
$$\begin{array}{r} +12 \\ +(-19) \end{array}$$

22. 
$$\begin{array}{r} -72 \\ +(+34) \end{array}$$

23. 
$$\begin{array}{r} -24 \\ +(-44) \end{array}$$

Solve these problems without a number line.

1.  $(-12) - (+6)$

2.  $(18) - (-9)$

3.  $(25) - (+6)$

4.  $(-52) - (-14)$

5.  $(-23) - (+18)$

6.  $(-5) - (-21)$

7.  $(15) - (-15)$

8.  $(-31) - (-16)$

9. 
$$\begin{array}{r} 16 \\ -(+8) \end{array}$$

10. 
$$\begin{array}{r} -23 \\ -(-31) \end{array}$$

11. 
$$\begin{array}{r} -13 \\ -(6) \end{array}$$

12. 
$$\begin{array}{r} 17 \\ -(+8) \end{array}$$

13. 
$$\begin{array}{r} -31 \\ -(-9) \end{array}$$

14. 
$$\begin{array}{r} -19 \\ -(+24) \end{array}$$

15. 
$$\begin{array}{r} 24 \\ -(-17) \end{array}$$

16. 
$$\begin{array}{r} -6 \\ -(+9) \end{array}$$

Find the products.

1.  $(-6) \times (-4)$

2.  $(-8) \times (3)$

3.  $(6) \times (12)$

4.  $(-5) \times (-4)$

5.  $(-11) \times (4)$

6.  $(6) \times (-5)$

7.  $(-12) \times (-8)$

8.  $(+9) \times (+12)$

9.  $(+20) \times (-5)$

10.  $(-11) \times (-11)$

11.  $(7) \times (-4)$

12.  $(-10) \times (14)$

13. 
$$\begin{array}{r} 25 \\ \times (-6) \\ \hline \end{array}$$

14. 
$$\begin{array}{r} -18 \\ \times (+12) \\ \hline \end{array}$$

15. 
$$\begin{array}{r} +14 \\ \times (-32) \\ \hline \end{array}$$

16. 
$$\begin{array}{r} -172 \\ \times (-64) \\ \hline \end{array}$$

17. 
$$\begin{array}{r} +42 \\ \times (-9) \\ \hline \end{array}$$

18. 
$$\begin{array}{r} -429 \\ \times (+12) \\ \hline \end{array}$$

19. 
$$\begin{array}{r} +68 \\ \times (25) \\ \hline \end{array}$$

20. 
$$\begin{array}{r} +34 \\ \times (-16) \\ \hline \end{array}$$

21. 
$$\begin{array}{r} -615 \\ \times (-9) \\ \hline \end{array}$$

22. 
$$\begin{array}{r} +98 \\ \times (-22) \\ \hline \end{array}$$

Find the quotients.

1.  $\frac{28}{4}$

2.  $\frac{-18}{6}$

3.  $\frac{25}{-5}$

4.  $\frac{-42}{-7}$

5.  $\frac{56}{8}$

6.  $\frac{-48}{6}$

7.  $\frac{-72}{-9}$

8.  $\frac{14}{-2}$

9.  $\frac{-54}{6}$

10.  $\frac{-35}{-7}$

11.  $\frac{36}{3}$

12.  $\frac{48}{-12}$