

Multiply and Divide Integers

Gr. 7-8

A

$$\begin{aligned} -9 \times 8 &= -72 \\ 3 \times 4 &= 12 \\ -4 \times 6 &= -24 \\ -7 \times 4 &= -28 \\ 9 \times 6 &= 54 \end{aligned}$$

B

$$\begin{aligned} 6 \times -6 &= -36 \\ -7 \times -9 &= 63 \\ 4 \times 2 &= 8 \\ 7 \times -2 &= -14 \\ 8 \times 2 &= 16 \end{aligned}$$

C

$$\begin{aligned} -8 \times -7 &= 56 \\ -8 \times 8 &= -64 \\ -6 \times -9 &= 54 \\ -6 \times 8 &= 48 \\ 4 \times 7 &= 28 \end{aligned}$$

64

D

$$\begin{aligned} 30 \div -6 &= -5 \\ 54 \div 6 &= 9 \\ 45 \div 5 &= 9 \\ -45 \div 5 &= -9 \\ -56 \div 7 &= -8 \end{aligned}$$

E

$$\begin{aligned} 15 \div -5 &= -3 \\ 32 \div 4 &= 8 \\ -56 \div -7 &= 8 \\ 24 \div -4 &= -6 \\ 40 \div 8 &= 5 \end{aligned}$$

F

$$\begin{aligned} -42 \div -6 &= 7 \\ 12 \div -3 &= -4 \\ 18 \div -6 &= -3 \\ 36 \div 6 &= 6 \\ -49 \div 7 &= -7 \end{aligned}$$

Do Long Multiplication, without a calculator Gr 5-6

①

$$\begin{array}{r} 183 \\ \times 83 \\ \hline 549 \\ 14640 \\ \hline 15189 \end{array}$$

②

$$\begin{array}{r} 242 \\ \times 97 \\ \hline 1694 \\ 21780 \\ \hline 23474 \end{array}$$

1694
21780
23474

③

$$\begin{array}{r} 414 \\ \times 68 \\ \hline 3312 \\ 24840 \\ \hline 28152 \end{array}$$

④

$$\begin{array}{r} 846 \\ \times 47 \\ \hline 5922 \\ 33840 \\ \hline 39762 \end{array}$$

⑤

$$\begin{array}{r} 756 \\ \times 67 \\ \hline 5292 \\ 45360 \\ \hline 50652 \end{array}$$

5292
45360
50652

⑥

$$\begin{array}{r} 542 \\ \times 67 \\ \hline 3794 \\ 32520 \\ \hline 36314 \end{array}$$

Do long division, without a calculator, then record the answer as a fraction

6r. 5-6

$$\begin{array}{r} 394 \\ 3 \overline{) 1183} \\ \underline{9} \\ 28 \\ \underline{27} \\ 13 \\ \underline{12} \\ 1 \end{array}$$

$$\therefore \frac{1183}{3} = 394 \frac{1}{3}$$

$$\begin{array}{r} 762 \\ 9 \overline{) 6858} \\ \underline{63} \\ 55 \\ \underline{54} \\ 18 \end{array}$$

$$\therefore \frac{6859}{9} = 762$$

$$\begin{array}{r} 573 \\ 2 \overline{) 1146} \\ \underline{10} \\ 14 \\ \underline{14} \\ 06 \end{array}$$

$$\therefore \frac{1146}{2} = 573$$

$$\begin{array}{r} 814 \\ 8 \overline{) 6512} \\ \underline{64} \\ 11 \\ \underline{8} \\ 34 \\ \underline{32} \\ 2 \end{array}$$

$$\therefore \frac{6514}{8} = 814 \frac{2}{8} = 814 \frac{1}{4}$$

Mixed Practice

(1) $-11 \times 10 = -110$

(2) $22 - -9 = 31$

(3) $-120 \div 12 = -10$

(4) $-44 \div -11 = 4$

(5) $11 - 9 = 2$

(6) $8 - 1 = 7$

(7) $25 + 4 = 29$

(8) $-63 \div -7 = 9$

(9) $-156 \div 13 = -12$

(10) $5 \times -4 = -20$

(11) $6 \times 10 = 60$

(12) $-4 \times 3 = -12$

(13) $-8 \times 4 = -32$

(14) $5 - -1 = 6$

(15) $25 - -16 = 41$

(16) $11 \times 13 = 143$

(17) $8 \times -11 = -88$

(18) $-88 \div -8 = 11$

(19) $27 \div 9 = 3$

(20) $10 \times 7 = 70$

(21) $-11 \times -7 = 77$

(22) $4 \times 11 = 44$

(23) $-60 \div -6 = 10$

(24) $15 - -9 = 24$