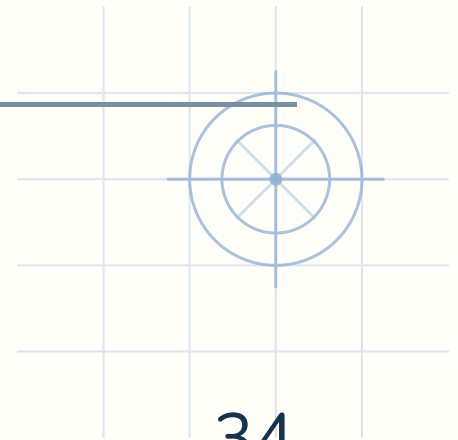


Multi-digit add/subtract — 2-digit

Name: _____

Date: _____

Add or subtract. Work down the columns, and check the sign first.



$$\begin{array}{r} 99 \\ - 87 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 90 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 53 \\ \hline \end{array}$$

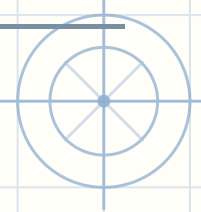


Multi-digit add/subtract — 3-digit

Name: _____

Date: _____

Add or subtract. Work down the columns, and check the sign first.



$$\begin{array}{r} \textcircled{1} \quad \quad \quad 1 \\ \quad \quad \quad 608 \\ + \quad \quad 631 \\ \hline 1239 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad \quad \quad 811 \\ + \quad \quad 258 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad \quad \quad 857 \\ - \quad \quad 521 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad \quad \quad 338 \\ - \quad \quad 257 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad \quad \quad 720 \\ - \quad \quad 513 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad \quad \quad 439 \\ + \quad \quad 562 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad \quad \quad 985 \\ + \quad \quad 153 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad \quad \quad 694 \\ - \quad \quad 676 \\ \hline \end{array}$$

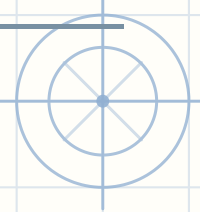


Multi-digit add/subtract — 4-digit

Name: _____

Date: _____

Add or subtract. Work down the columns, and check the sign first.



$$\begin{array}{r} 7878 \\ - 3028 \\ \hline 4850 \end{array}$$

$$\begin{array}{r} 8948 \\ - 8432 \\ \hline \end{array}$$

$$\begin{array}{r} 9075 \\ + 8935 \\ \hline \end{array}$$

$$\begin{array}{r} 4448 \\ - 2864 \\ \hline \end{array}$$

$$\begin{array}{r} 7598 \\ + 5995 \\ \hline \end{array}$$

$$\begin{array}{r} 9362 \\ + 1058 \\ \hline \end{array}$$

$$\begin{array}{r} 9990 \\ - 2066 \\ \hline \end{array}$$

$$\begin{array}{r} 9127 \\ + 5419 \\ \hline \end{array}$$



Multi-digit multiplication — 2-digit × 1-digit

Name: _____

Date: _____

Multiply to find each product.

$$\begin{array}{r} 1 \quad 63 \\ \times \quad 6 \\ \hline 378 \end{array}$$

$$\begin{array}{r} 2 \quad 66 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 87 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 43 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 87 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 37 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 79 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 53 \\ \times \quad 9 \\ \hline \end{array}$$



Multi-digit multiplication — 2-digit × 2-digit

Name: _____

Date: _____

Multiply to find each product.

1

$$\begin{array}{r} 25 \\ \times 12 \\ \hline 50 \\ 250 \\ \hline 300 \end{array}$$

2

$$\begin{array}{r} 34 \\ \times 69 \\ \hline \end{array}$$

3

$$\begin{array}{r} 86 \\ \times 75 \\ \hline \end{array}$$

4

$$\begin{array}{r} 64 \\ \times 80 \\ \hline \end{array}$$

5

$$\begin{array}{r} 27 \\ \times 13 \\ \hline \end{array}$$

6

$$\begin{array}{r} 14 \\ \times 50 \\ \hline \end{array}$$

7

$$\begin{array}{r} 72 \\ \times 58 \\ \hline \end{array}$$

8

$$\begin{array}{r} 58 \\ \times 52 \\ \hline \end{array}$$



Multi-digit multiplication — 3-digit × 2-digit

Name: _____

Date: _____

Multiply to find each product.

$$\begin{array}{r} 1 \quad 447 \\ \times \quad 72 \\ \hline 894 \\ 31290 \\ \hline 32184 \end{array}$$

$$\begin{array}{r} 2 \quad 809 \\ \times \quad 63 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 996 \\ \times \quad 44 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 633 \\ \times \quad 53 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 165 \\ \times \quad 47 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 384 \\ \times \quad 48 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 405 \\ \times \quad 47 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 148 \\ \times \quad 32 \\ \hline \end{array}$$



Long division — 3-digit ÷ 1-digit

Name: _____

Date: _____

Divide to find each quotient.

1

$$\begin{array}{r} 38 \\ 7 \overline{)266} \\ \underline{21} \\ 56 \\ \underline{56} \\ 0 \end{array}$$

2

$$4 \overline{)900}$$

3

$$2 \overline{)202}$$

4

$$5 \overline{)290}$$

5

$$6 \overline{)804}$$

6

$$8 \overline{)496}$$

7

$$3 \overline{)117}$$

8

$$9 \overline{)999}$$



Long division — 4-digit ÷ 1-digit

Name: _____

Date: _____

Divide to find each quotient.

1

$$\begin{array}{r} 1725 \\ 3 \overline{) 575} \\ \underline{15} \\ 22 \\ \underline{21} \\ 15 \\ \underline{15} \\ 0 \end{array}$$

2

$$8 \overline{) 9304}$$

3

$$9 \overline{) 7146}$$

4

$$4 \overline{) 6620}$$

5

$$6 \overline{) 3336}$$

6

$$2 \overline{) 4308}$$

7

$$5 \overline{) 6565}$$

8

$$7 \overline{) 8001}$$



Long division — 3-digit ÷ 2-digit

Name: _____

Date: _____

Divide to find each quotient.

1

$$\begin{array}{r} 10 \\ 91 \overline{) 910} \\ \underline{91} \\ 0 \end{array}$$

2

$$79 \overline{) 553}$$

3

$$92 \overline{) 828}$$

4

$$40 \overline{) 720}$$

5

$$50 \overline{) 300}$$

6

$$57 \overline{) 855}$$

7

$$70 \overline{) 700}$$

8

$$24 \overline{) 696}$$



Long division with remainders — 3-digit ÷ 1-digit

Name: _____

Date: _____

Divide. Give the quotient and the remainder.

1
$$\begin{array}{r} 83 \\ 9 \overline{) 751} \\ \underline{72} \\ 31 \\ \underline{27} \\ 4 \end{array}$$

2
$$\begin{array}{r} R \\ 7 \overline{) 666} \end{array}$$

3
$$\begin{array}{r} R \\ 2 \overline{) 967} \end{array}$$

4
$$\begin{array}{r} R \\ 4 \overline{) 131} \end{array}$$

5
$$\begin{array}{r} R \\ 8 \overline{) 534} \end{array}$$

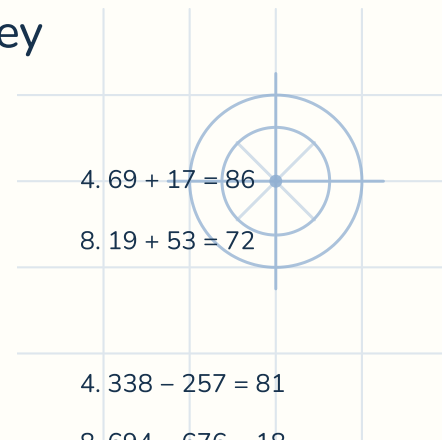
6
$$\begin{array}{r} R \\ 5 \overline{) 617} \end{array}$$

7
$$\begin{array}{r} R \\ 3 \overline{) 688} \end{array}$$

8
$$\begin{array}{r} R \\ 6 \overline{) 373} \end{array}$$



Power Pack · The column algorithms — Answer key



Column + / - : 2-digit

1. $99 - 87 = 12$

2. $90 + 12 = 102$

3. $34 - 27 = 7$

4. $69 + 17 = 86$

5. $89 - 38 = 51$

6. $33 + 72 = 105$

7. $38 - 27 = 11$

8. $19 + 53 = 72$

Column + / - : 3-digit

1. $608 + 631 = 1239$

2. $811 + 258 = 1069$

3. $857 - 521 = 336$

4. $338 - 257 = 81$

5. $720 - 513 = 207$

6. $439 + 562 = 1001$

7. $985 + 153 = 1138$

8. $694 - 676 = 18$

Column + / - : 4-digit

1. $7878 - 3028 = 4850$

2. $8948 - 8432 = 516$

3. $9075 + 8935 = 18010$

4. $4448 - 2864 = 1584$

5. $7598 + 5995 = 13593$

6. $9362 + 1058 = 10420$

7. $9990 - 2066 = 7924$

8. $9127 + 5419 = 14546$

Multiply 2×1

1. $63 \times 6 = 378$

2. $66 \times 5 = 330$

3. $87 \times 6 = 522$

4. $43 \times 7 = 301$

5. $87 \times 8 = 696$

6. $37 \times 4 = 148$

7. $79 \times 7 = 553$

8. $53 \times 9 = 477$

Multiply 2×2

1. $25 \times 12 = 300$

2. $34 \times 69 = 2346$

3. $86 \times 75 = 6450$

4. $64 \times 80 = 5120$

5. $27 \times 13 = 351$

6. $14 \times 50 = 700$

7. $72 \times 58 = 4176$

8. $58 \times 52 = 3016$

Multiply 3×2

1. $447 \times 72 = 32184$

2. $809 \times 63 = 50967$

3. $996 \times 44 = 43824$

4. $633 \times 53 = 33549$

5. $165 \times 47 = 7755$

6. $384 \times 48 = 18432$

7. $405 \times 47 = 19035$

8. $148 \times 32 = 4736$

Divide $3 \div 1$

1. $266 \div 7 = 38$

2. $900 \div 4 = 225$

3. $202 \div 2 = 101$

4. $290 \div 5 = 58$

5. $804 \div 6 = 134$

6. $496 \div 8 = 62$

7. $117 \div 3 = 39$

8. $999 \div 9 = 111$

Divide $4 \div 1$

1. $1725 \div 3 = 575$

2. $9304 \div 8 = 1163$

3. $7146 \div 9 = 794$

4. $6620 \div 4 = 1655$

5. $3336 \div 6 = 556$

6. $4308 \div 2 = 2154$

7. $6565 \div 5 = 1313$

8. $8001 \div 7 = 1143$

Divide $3 \div 2$

1. $910 \div 91 = 10$

2. $553 \div 79 = 7$

3. $828 \div 92 = 9$

4. $720 \div 40 = 18$

Power Pack · The column algorithms — Answer key

Divide 3 ÷ 2

5. $300 \div 50 = 6$

6. $855 \div 57 = 15$

7. $700 \div 70 = 10$

8. $696 \div 24 = 29$

Remainders 3 ÷ 1

1. $751 \div 9 = 83 \text{ R } 4$

2. $666 \div 7 = 95 \text{ R } 1$

3. $967 \div 2 = 483 \text{ R } 1$

4. $131 \div 4 = 32 \text{ R } 3$

5. $534 \div 8 = 66 \text{ R } 6$

6. $617 \div 5 = 123 \text{ R } 2$

7. $688 \div 3 = 229 \text{ R } 1$

8. $373 \div 6 = 62 \text{ R } 1$

