




Grade 7 Mathematics


Practice of Basic Skills



Addition
Subtraction
Multiplication
Division

whole numbers

Name: _____
Class: _____





Addition and Subtraction

$$\begin{array}{r} 57 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} \overset{1}{57} \\ +64 \\ \hline 1 \end{array}$$

$$\begin{array}{r} \overset{1}{57} \\ +\overset{1}{64} \\ \hline 121 \end{array}$$

Add the ones. $7 + 4 =$ _____Rename 11. $11 = 10 +$ _____Add the tens. $10 + 50 + 60 =$ _____Rename 120. $120 = 100 +$ _____

$$\begin{array}{r} 121 \\ -64 \\ \hline \end{array}$$

$$\begin{array}{r} \overset{11}{121} \\ -64 \\ \hline 7 \end{array}$$

$$\begin{array}{r} \overset{11}{121} \\ -\overset{11}{64} \\ \hline 57 \end{array}$$

Rename 121. $121 = 100 + 10 +$ _____Subtract the ones. $11 - 4 =$ _____Rename 100 + 10. $100 + 10 =$ _____Subtract the tens. $110 - 60 =$ _____

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 23 \\ +54 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ +25 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +54 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ +31 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ +42 \\ \hline \end{array}$

2.	$\begin{array}{r} 27 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ +49 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ +26 \\ \hline \end{array}$
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3.	$\begin{array}{r} 47 \\ +78 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +86 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +79 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ +84 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ +96 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ +47 \\ \hline \end{array}$
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4.	$\begin{array}{r} 36 \\ +27 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ +23 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ +77 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ +24 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ +75 \\ \hline \end{array}$
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Subtract.

5.	$\begin{array}{r} 76 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ -22 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ -63 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ -31 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ -30 \\ \hline \end{array}$
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6.	$\begin{array}{r} 95 \\ -26 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ -48 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ -73 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ -27 \\ \hline \end{array}$
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7.	$\begin{array}{r} 126 \\ -37 \\ \hline \end{array}$	$\begin{array}{r} 143 \\ -95 \\ \hline \end{array}$	$\begin{array}{r} 156 \\ -88 \\ \hline \end{array}$	$\begin{array}{r} 172 \\ -76 \\ \hline \end{array}$	$\begin{array}{r} 168 \\ -99 \\ \hline \end{array}$	$\begin{array}{r} 153 \\ -85 \\ \hline \end{array}$
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Check your answers. Record your score.

Perfect score: 42

My score: _____

Addition and Subtraction

$$\begin{array}{r} 21\ 345 \\ + 9\ 462 \\ \hline \end{array}$$

$$\begin{array}{r} 21\ 345 \\ + 9\ 462 \\ \hline 30\ 807 \end{array}$$

$$\begin{array}{r} 30\ 807 \\ - 9\ 462 \\ \hline \end{array}$$

$$\begin{array}{r} 210\ 710 \\ \cancel{30\ 807} \\ - 9\ 462 \\ \hline 21\ 345 \end{array}$$

To check $21\ 345 + 9\ 462 = 30\ 807$,
subtract $9\ 462$ from $30\ 807$.

To check $30\ 807 - 9\ 462 = 21\ 345$,
add $9\ 462$ to $21\ 345$.

The difference should be _____.

The sum should be _____.

Add. Check each answer.

a

$$1. \quad \begin{array}{r} 3\ 0\ 8\ 2\ 1 \\ + 4\ 1\ 6\ 3 \\ \hline \end{array}$$

b

$$\begin{array}{r} 5\ 2\ 9\ 6\ 4 \\ + 3\ 1\ 7\ 5 \\ \hline \end{array}$$

c

$$\begin{array}{r} 7\ 6\ 4\ 8\ 7 \\ + 5\ 2\ 4\ 3 \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 4\ 2\ 5\ 6\ 3 \\ + 1\ 5\ 7\ 8\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1\ 5\ 2\ 4\ 3 \\ + 2\ 7\ 5\ 6\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 6\ 7\ 2\ 4 \\ + 8\ 1\ 4\ 0\ 9 \\ \hline \end{array}$$

Subtract. Check each answer.

$$3. \quad \begin{array}{r} 7\ 2\ 4\ 3\ 1 \\ - 5\ 3\ 1\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9\ 2\ 6\ 4\ 0 \\ - 6\ 7\ 4\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6\ 1\ 4\ 3\ 0 \\ - 6\ 4\ 2\ 9 \\ \hline \end{array}$$

$$4. \quad \begin{array}{r} 5\ 4\ 0\ 6\ 1 \\ - 6\ 8\ 3\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7\ 2\ 4\ 1\ 3 \\ - 6\ 7\ 8\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8\ 4\ 2\ 0\ 5 \\ - 5\ 1\ 1\ 6 \\ \hline \end{array}$$

Check your answers. Record your score.

Perfect score: 12

My score: _____

Multiplication

$$\begin{array}{r} 73 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \overset{1}{7}3 \\ \times 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} \overset{1}{7}3 \\ \times 5 \\ \hline 365 \end{array}$$

$5 \times 3 = \underline{\quad\quad} = 10 + \underline{\quad\quad}$

$5 \times 70 = \underline{\quad\quad}$
 $350 + 10 = 360 = 300 + \underline{\quad\quad}$

$$\begin{array}{r} 327 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \overset{2}{3}27 \\ \times 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} \overset{12}{3}27 \\ \times 4 \\ \hline 08 \end{array}$$

$$\begin{array}{r} \overset{12}{3}27 \\ \times 4 \\ \hline 1308 \end{array}$$

$4 \times 7 = \underline{\quad\quad} = 20 + \underline{\quad\quad}$

$4 \times 20 = \underline{\quad\quad}$
 $80 + 20 = 100 = 100 + \underline{\quad\quad}$

$4 \times 300 = \underline{\quad\quad}$
 $1200 + 100 = 1300 = 1000 + \underline{\quad\quad}$

Multiply.

a

$$\begin{array}{r} 1. \quad 32 \\ \times 2 \\ \hline \end{array}$$

b

$$\begin{array}{r} 21 \\ \times 3 \\ \hline \end{array}$$

c

$$\begin{array}{r} 42 \\ \times 2 \\ \hline \end{array}$$

d

$$\begin{array}{r} 132 \\ \times 2 \\ \hline \end{array}$$

e

$$\begin{array}{r} 213 \\ \times 3 \\ \hline \end{array}$$

f

$$\begin{array}{r} 421 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 16 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 215 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 73 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 172 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 57 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 256 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 385 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 177 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 28 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 426 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 358 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 234 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 57 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 526 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 409 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 730 \\ \times 7 \\ \hline \end{array}$$

Check your answers. Record your score.

Perfect score: 36

My score: _____

Multiplication

$$\begin{array}{r} 351 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 351 \\ \times 27 \\ \hline 2457 \end{array}$$

$$\begin{array}{r} 351 \\ \times 27 \\ \hline 2457 \\ 7020 \end{array}$$

$$\begin{array}{r} 351 \\ \times 27 \\ \hline 2457 \\ 7020 \\ \hline 9477 \end{array}$$

$7 \times 351 = \underline{\hspace{2cm}}$

$20 \times 351 = \underline{\hspace{2cm}}$

$2457 + 7020 = \underline{\hspace{2cm}}$

Multiply.

a

$$1. \quad \begin{array}{r} 42 \\ \times 13 \\ \hline \end{array}$$

b

$$\begin{array}{r} 23 \\ \times 32 \\ \hline \end{array}$$

c

$$\begin{array}{r} 54 \\ \times 41 \\ \hline \end{array}$$

d

$$\begin{array}{r} 37 \\ \times 26 \\ \hline \end{array}$$

e

$$\begin{array}{r} 58 \\ \times 19 \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 58 \\ \times 72 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 55 \\ \hline \end{array}$$

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

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$3. \quad \begin{array}{r} 154 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 231 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 251 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ \times 47 \\ \hline \end{array}$$

$$4. \quad \begin{array}{r} 365 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 426 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 715 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 302 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 756 \\ \times 29 \\ \hline \end{array}$$

Check your answers. Record your score.

Perfect score: 20

My score: _____

Division

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$5 \overline{)45}$$

$$9 \overline{)45}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$8 \overline{)56}$$

$$7 \overline{)56}$$

If $5 \times 9 = 45$, then $45 \div 5 = 9$ and $45 \div 9 = 5$. If $8 \times 7 = 56$, then $56 \div 8 = \underline{\quad}$ and $56 \div 7 = \underline{\quad}$

Divide.

a

b

c

d

e

f

1. $2 \overline{)6}$

$3 \overline{)9}$

$2 \overline{)4}$

$2 \overline{)8}$

$3 \overline{)6}$

$4 \overline{)8}$

2. $1 \overline{)5}$

$3 \overline{)3}$

$6 \overline{)0}$

$1 \overline{)9}$

$2 \overline{)2}$

$7 \overline{)7}$

3. $4 \overline{)28}$

$6 \overline{)42}$

$3 \overline{)18}$

$6 \overline{)36}$

$8 \overline{)32}$

$2 \overline{)14}$

4. $2 \overline{)10}$

$8 \overline{)72}$

$7 \overline{)42}$

$5 \overline{)20}$

$3 \overline{)15}$

$4 \overline{)36}$

5. $8 \overline{)24}$

$2 \overline{)18}$

$1 \overline{)8}$

$4 \overline{)32}$

$5 \overline{)25}$

$9 \overline{)81}$

6. $7 \overline{)35}$

$9 \overline{)27}$

$6 \overline{)24}$

$7 \overline{)49}$

$8 \overline{)48}$

$9 \overline{)36}$

7. $5 \overline{)40}$

$3 \overline{)24}$

$2 \overline{)16}$

$6 \overline{)48}$

$7 \overline{)28}$

$9 \overline{)54}$

8. $5 \overline{)15}$

$4 \overline{)12}$

$2 \overline{)12}$

$3 \overline{)0}$

$6 \overline{)54}$

$3 \overline{)27}$

9. $4 \overline{)20}$

$8 \overline{)56}$

$6 \overline{)30}$

$4 \overline{)24}$

$3 \overline{)21}$

$5 \overline{)30}$

10. $8 \overline{)16}$

$5 \overline{)35}$

$4 \overline{)16}$

$8 \overline{)64}$

$9 \overline{)63}$

$8 \overline{)40}$

Check your answers. Record your score.

Perfect score: 60

My score: _____

Division

Divide.

a

b

c

d

1. $28 \overline{) 756}$

$42 \overline{) 516}$

$19 \overline{) 95}$

$33 \overline{) 132}$

2. $12 \overline{) 2604}$

$22 \overline{) 6754}$

$24 \overline{) 792}$

$11 \overline{) 1716}$

3. $14 \overline{) 84}$

$89 \overline{) 801}$

$75 \overline{) 750}$

$16 \overline{) 2608}$

4. $75 \overline{) 6375}$

$23 \overline{) 5543}$

$25 \overline{) 8000}$

$25 \overline{) 800}$

5. $15 \overline{) 6000}$

$60 \overline{) 1860}$

$20 \overline{) 7020}$

$48 \overline{) 1728}$

Check your answers. Record your score.

Perfect score: 20

My score: _____