学前指导　巩固基础　思维拓展　综合考查

心算口算巧算

快速反应基础能力训练

五年级

九年义务教育六年制小学数学

根据人教

最新版

与教材改革同步

心口巧

前　言

为了帮助小学生灵活地掌握口算、心算、速算的方法，培养小学生的口算、心算、速算能力，激发小学生学习数学的兴趣，全面提高小学生的综合素质，我们编写了这套《心算、口算、巧算快速反应基础能力训练》。

本套书与新教材同步，结合新的课程标准理念，紧扣教学大纲的要求，旨在提高学生的口算速度，强化心算能力，灵活运用巧算，加强学生思维能力的培养，全书图文并茂，编写合理，是教师教学、学生学习、家长辅导的好帮手。

编　者

2003.6

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一、小数的乘法和除法

1. 小数乘法

练习一

$0.9\times6=$	$0.1\times5=$	$0.25\times8=$
$0.24\times2=$	$0.3\times6=$	$0.15\times2=$
$1.6\times5=$	$0.3\times3=$	$0.56\times2=$
$7\times0.8=$	$0.4\times4=$	$0.7\times4=$
$0.3\times5=$	$0.9\times9=$	$3.3\times2=$
$0.2\times3=$	$0.3\times2=$	$0.8\times9=$
$0.1\times9=$	$0.8\times7=$	$0.24\times3=$
$0.7\times3=$	$0.7\times7=$	$0.2\times5=$
$0.9\times2=$	$1.6\times3=$	$1.2\times2=$
$0.5\times7=$	$2.4\times5=$	$1.3\times3=$
$0.6\times4=$	$0.14\times2=$	$1.9\times3=$
$0.8\times3=$	$0.45\times1=$	$0.2\times7=$
$0.6\times6=$	$0.6\times5=$	$1.7\times3=$
$0.11\times3=$	$0.12\times3=$	$2.5\times3=$
$0.25\times4=$	$0.33\times3=$	$4.5\times2=$
$0.15\times6=$	$0.13\times2=$	$1.8\times4=$

练习二

$0.8\times5=$	$1.1\times4=$	$0.02\times2=$
$0.7\times8=$	$1.87\times0=$	$0.9\times5=$

3.1×2=	0.12×6=	0.43×2=
4.3×2=	60×0.5=	4.1×3=
7.1×1=	0.6×5=	1.4×3=
5.1×3	0.9×6=	0.15×3=
3.2×3=	0.24×2=	0.6×2=
5.2×4=	0.32×3=	0.32×4=
1.01×3=	1.8×3=	6.7×3=
1.02×4=	0.7×8=	1.01×5=
2.6×3=	0.45×2=	0.125×8=
2.5×4=	2.1×4=	0.36×2=
4.11×2=	0.33×2=	0.4×8=
5.3×6=	0.14×2=	2.5×8=
7.2×4=	0.5×9	0.11×9=
1.36×1=	0.34×2=	5.3×6=

练习三

5.2×4=	0.8×7=	0.11×7=
8.01×9=	0.02×4=	3.2×4=
7.3×3=	3.4×2=	0.3×5=
5.2×5=	0.34×2=	4.01×3=
4.12×4=	0.6×9=	2.5×8=
6.7×3=	0.14×2=	0.7×7=
4.5×2=	0.12×6=	6×0.5=
0.35×2=	0.7×8	3×0.2=
0.16×3=	0.54×2=	5×1.2=
0.25×4=	1.8×3=	8×0.4=
1.4×3=	2.4×5=	9×0.7=

此为试读，需要完整PDF请访问：www.ertongbook.

$4.3\times5=$	$1.25\times4=$	$0.57\times1=$
$0.31\times4=$	$0.24\times2=$	$0.9\times2=$
$0.3\times8=$	$3.4\times3=$	$7\times0.5=$
$3.2\times4=$	$0.25\times4=$	$9\times0.3=$
$0.5\times6=$	$4\times0.6=$	$1\times0.35=$

练习四

$8\times0.9=$	$7\times0.8=$	$4\times2.1=$
$9\times0.02=$	$6\times0.7=$	$0.8\times0.05=$
$6\times0.03=$	$5\times0.6=$	$6\times0.14=$
$5\times0.07=$	$3\times0.2=$	$0.1\times3.5=$
$3\times0.11=$	$9\times0.8=$	$0.5\times0.6=$
$6\times0.06=$	$2\times0.7=$	$0.2\times0.13=$
$4\times0.12=$	$3\times0.4=$	$0.01\times0.3=$
$7\times0.5=$	$4\times0.5=$	$3.4\times0.2=$
$8\times0.7=$	$0.3\times0.03=$	$6\times0.4=$
$6\times0.9=$	$1.4\times0.3=$	$9\times0.11=$
$7\times0.01=$	$1.5\times0.4=$	$2\times0.14=$
$0.3\times09=$	$0.6\times0.7=$	$2\times0.08=$
$1.8\times0.1=$	$1.37\times0=$	$3\times0.06=$
$0.2\times0.9=$	$0.12\times0.7=$	$4\times0.09=$
$0.25\times40=$	$0.13\times0.02=$	$1\times0.33=$
$1.85\times0.1=$	$0.5\times0.12=$	

练习五

填空。

(1)一个因数不变,另一个因数(　　),积也扩大(或缩小)10倍、100倍、1000倍……

(2)小数乘整数的意义与(　　)相同,就是求(　　)的简便运算。

(3)一个数乘小数的意义是求这个数的(　　),(　　),(　　)……

(4)计算小数乘法,先按照(　　)算出积,再看因数中(　　),就从积的(　　)起数出几位,点上(　　)。

(5)当第二个因数比1小时,积比第一个因数(零除外)(　　);当第二个因数比1大时,积比第一个因数(零除外)(　　)。

(6)78的65%是多少?列式是(　　)。

(7)1.5的8倍是多少?列式是(　　)。

练习六

判断题。

(1)一个数乘以0.83所得的结果一定比这个数小。　(　　)

(2)两个因数一共有3位小数,它们的积也一定是3位小数。(　　)

(3)一个因数扩大100倍,另一个因数缩小100倍,它们的积不变。(　　)

(4)一个数的2.07倍比原来的数要大。　(　　)

(5)$82\times0.9<82$　(　　)

(6)$0.7\times0.94=6.58$　　(　　)

(7)35 分等于 0.35 小时。　　(　　)

(8)小数乘小数的意义同整数乘法的意义相同。　　(　　)

(9)2.14 与 0.35 的积是一个 4 位小数。　　(　　)

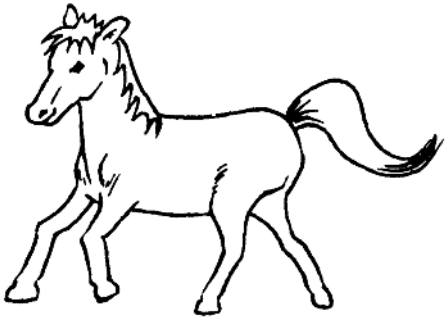
(10)一个因数扩大 10 倍,另一个因数扩大 10 倍,它们的积不变。

(　　)

(11)$0.05\times0.7=0.35$　　(　　)

有趣的数学

两支队伍从相距 18 千米的两地同时出发,相向而行。通迅员骑马以每小时 14 千米的速度,在两支队伍之间不断往返联络。甲队每小时行 5 千米,乙队每小时行 4 千米。两队相遇时,骑马的通迅员共行多少千米?



练习七

$0.1\times0.91=$	$8.2\times0.2=$	$1.4\times03=$
$0.4\times0.3=$	$0.05\times0.03=$	$0.3\times0.31=$
$0.6\times0.9=$	$0.9\times0.5=$	$0.12\times0.01=$
$0.3\times2.1=$	$7.1\times0.6=$	$0.6\times0.11=$
$7.8\times0.1=$	$4.2\times0.1=$	$0.7\times0.5=$
$1.32\times0.2=$	$3.85\times0=$	$3.1\times0.9=$
$0.5\times0.9=$	$6\times0.9=$	$7.3\times0.2=$
$0.3\times1.4=$	$3.2\times0.1=$	$0.07\times0.2=$
$1.3\times0.02=$	$7\times0.08=$	$0.4\times0.05=$
$0.56\times0.2=$	$0.21\times0.6=$	$0.24\times3=$
$0.8\times0.8=$	$60\times0.2=$	$1.8\times0.4=$
$1.1\times0.2=$	$0.4\times0.5=$	$0.08\times1.2=$
2.8×0.01	$0.125\times8=$	$3.1\times0.5=$
$0.5\times1.6=$	$0.66\times1=$	$0.01\times0.81=$
$4.3\times0.2=$	$0.8\times1.2=$	$0.25\times0.4=$
$6.2\times0.3=$	$9.1\times0.1=$	

练习八

把下面各题的积保留两位小数。

$0.81\times0.1\approx$	$0.56\times0.2\approx$
$1.7\times0.03\approx$	$6.01\times0.7\approx$
$0.85\times0.3\approx$	$1.03\times0.5\approx$
$0.15\times0.5\approx$	$0.5\times2.05\approx$
$0.12\times0.7\approx$	$1.23\times0.4\approx$
$0.7\times0.06\approx$	$10.02\times0.3\approx$

$1.4\times0.09\approx$	$2.8\times0.03\approx$
$0.03\times1.4\approx$	$0.33\times0.9\approx$
$0.125\times0.8\approx$	$5.01\times0.6\approx$
$0.3\times0.16\approx$	$0.42\times0.4\approx$
$0.12\times0.1\approx$	$0.11\times0.3\approx$
$0.56\times0.2\approx$	$0.08\times0.9\approx$
$0.23\times0.4\approx$	$9.02\times0.3\approx$
$0.6\times0.11\approx$	$2.11\times0.4\approx$
$0.18\times0.6\approx$	$6.22\times0.3\approx$

练习九

$0.5\times0.5=$	$2.6\times3.4=$	$0.9\times0.1=$
$4.5\times2=$	$0.8\times02=$	$0.37-0.03=$
$0.8\times0.7=$	$1.3+2.7=$	$4.5\times6=$
$6.2\times3=$	$4.5+5.5=$	$0.4\times0.7=$
$0.82\times6=$	$3.8+0.4=$	$4\times0.25=$
$0.09\times0.4=$	$4.6+0.6=$	$0.32-0.03=$
$0.36\times0.2=$	$6.5-0.8=$	$0.78+0.2=$
$1.1\times0.3=$	$4.4-2.4=$	$0.91-0.9=$
$2.3\times0.2=$	$9.8+0.5=$	$1.01-0.2=$
$4.8\times2=$	$0.25+0.25=$	$0.28+0.82=$
$3.3\times6=$	$3.12+0.1=$	$07+0.3=$
$4.8\times0.1=$	$0.33+0.3=$	$6.54-0.54=$
$9.62\times0=$	$8.12+0.9=$	$8.66-2.66=$
$3.04\times1=$	$0.56+0.44=$	$3.51-1.01=$
$4.02\times0.2=$	$0.87+0.13=$	$4.07-2.07=$
$3.07\times0.1=$	$0.87-0.13=$	$3.11+6.89=$

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练习十

$0.83\times100=$	$3\times0.04=$	$3.7-0.6=$
$0.09\times0.6=$	$0.3\times0.8=$	$0.8+0.2=$
$0.05\times1.6=$	$70\times0.06=$	$3.2+1.8=$
$0.8\times0.7=$	$0.7\times0.04=$	$4.62+0.4=$
1.5×0.04	$0.75+0.3=$	$4.16-0.5=$
$0.1\times7.2=$	$1.2-0.8=$	$8.38+0.7=$
$4.5\times3=$	$0.27-0.2=$	$0.72+0.15=$
$0.5\times0.2=$	$7.2+2.8=$	$0.56+0.09=$
$0.9\times9=$	$15-3.5=$	$4.08-3.08=$
$0.31\times4=$	$3.7+0.04=$	$5.6-0.8=$
$8\times2.3=$	$0.06+0.3=$	$4.75-0.35=$
$0.8\times0.2=$	$2.7-0.9=$	$6.6-1.8=$
$7\times0.8=$	$0.27+0.07=$	$3.84\times0=$
$3\times0.12=$	$0.75+0.26=$	$6.06-0=$
$9\times1.6=$	$3.18+0.22=$	$3.05+0.95=$
$1.3\times05=$	$6.35-0.3=$	$8.8+1.22=$

练习十一

$2.5\times4=$	$1.25\times16\times2=$
$1.25\times0.8=$	$32\times25\times0.125=$
$3.2\times0.25=$	$3.6\times0.4+3.6\times0.6=$
$1.2\times0.6=$	$2.5\times0.4\times1.6=$
$0.5\times200=$	$3\times0.2\times0.5=$
$3.1\times0.4=$	$2.5\times0.8\times0.7=$
$2.5\times8=$	$6.3\times9+6.3\times1=$

$0.25 \times 0.2 =$

$0.12 \times 3 =$

$6.2 \times 0.3 =$

$1.4 \times 0.5 =$

$5.1 \times 0.3 =$

$0.25 \times 16 =$

$3.2 \times 0.3 =$

$6 \times 0.05 =$

$1.4 \times 0.8 =$

$36 \times 0.5 + 36 \times 0.5 =$

$3.14 \times 99 + 3.14 \times 1 =$

$4.85 \times 101 - 4.85 \times 1 =$

$5.23 \times 99 + 5.23 =$

$6.37 - 1.25 - 3.75 =$

$5.12 + 4.35 - 2.12 =$

$102 \times 0.8 =$

$5.08 \times 9.9 + 0.1 \times 5.08 =$

$4.27 \times 3.56 + 6.44 \times 4.27 =$

练习十二

$3.6 - 1.8 =$

$11 \times 0.6 =$

$4.7 + 4.3 =$

$4.6 \times 20 =$

$12.5 \times 0.08 =$

$40 \times 0.25 =$

$1.6 \times 0.5 =$

$3.2 \times 5 =$

$0 \times 0.26 =$

$1.2 \times 0.8 =$

$4.06 \times 100 =$

$5.27 - 1.1 =$

$500 \times 0.02 =$

$0.1 - 0.01 =$

$0.15 \times 4 =$

$3.2 \times 0.25 =$

$0.02 \times 200 =$

$16 \times 0.125 =$

$100 - 99.8 =$

$4.2 + 0.6 =$

$0.2 \times 0.5 =$

$0.5 \times 1.8 =$

$0.46 - 0.4 =$

$7.1 + 2.9 =$

$0.5 \times 0.8 =$

$0.12 \times 100 =$

$0.45 \times 3 =$

$0.03 \times 0.8 =$

$1.2 \times 0.4 =$

$3.2 \times 0.4 =$

$6.2 \times 0.3 =$

$1.4 \times 0.5 =$

$5.1 \times 0.3 =$

$0.25 \times 16 =$

$6 \times 0.05 =$

$3.2 \times 0.3 =$

$2.5 \times 0.8 =$

$0.12 \times 3 =$

$3 \times 0.2 =$

$2.5 \times 0.4 =$

$0.03 \times 7 =$

$1.6 \times 0.4 =$

$0.5 \times 1.01 =$

$2.5 \times 8 =$

$9 \times 8.1 =$

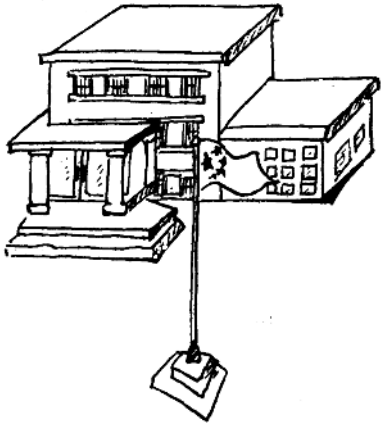
$3.6 \times 0.4 =$

$3.2 \times 0.3 =$

$1.25 \times 2 =$

有趣的数学

小明骑车上学，原计划每分钟行 200 米，正好准时到达学校。有一天因下雨，他每分钟只能行 120 米，结果迟到了 5 分钟。他家离学校多远？



2. 小数除法

练习十三

填空。

(1)小数除法的意义与整数除法的意义(　　),是已知(　　),求(　　)的因数。

(2)除数是整数的小数除法,按照(　　)的法则去除,商的小数点要和(　　)的小数点对齐;如果除到被除数的末尾仍有余数,就在(　　)后面添0再继续除。

(3)除数是小数的除法,先移动除数的(　　),使它变成(　　);除数的小数点向右移动几位,被除数的小数点(　　)(位数不够的,在被除数的末尾用"0"补足);然后按照除数是(　　)的小数除法进行计算。

(4)把56.48平均分成8份,每份是(　　)。

(5)两个因数的积是3.6,一个因数是0.4,另一个因数是(　　)。

练习十四

4.2÷3=	35.7÷7=	0.46÷23=
12.4÷4=	14.5÷5=	0.72÷9=
7.2÷6=	32.8÷8=	0.72÷12=
15.3÷3=	16.72÷8=	0.36÷4=
12.8÷4=	0.26÷2=	0.96÷6=
16.8÷8=	4.5÷5=	3.5÷7=
4.8÷4=	0.85÷5=	0.68÷4=
2.8÷2=	0.72÷8=	15.5÷5=

3.6 ÷ 3 =	8.1 ÷ 9 =	2.4 ÷ 4 =
21.7 ÷ 7 =	0.36 ÷ 4 =	0.9 ÷ 2 =
15.6 ÷ 2 =	0.48 ÷ 6 =	4.5 ÷ 9 =
12.48 ÷ 6 =	0.32 ÷ 2 =	1.8 ÷ 3 =
15.6 ÷ 4 =	0.12 ÷ 2 =	1.1 ÷ 2 =
18.9 ÷ 9 =	0.48 ÷ 4 =	0.24 ÷ 4 =
27.9 ÷ 9 =	1.2 ÷ 4 =	6.3 ÷ 7 =
10.12 ÷ 2 =	1.25 ÷ 5 =	0.84 ÷ 4 =

练习十五

3.2 ÷ 2 =	0.27 ÷ 9 =	0.72 ÷ 9 =
0.22 ÷ 2 =	0.3 ÷ 5 =	2.8 ÷ 7 =
0.25 ÷ 5 =	0.63 ÷ 3 =	0.84 ÷ 4 =
2.1 ÷ 7 =	0.42 ÷ 2 =	0.29 ÷ 29 =
0.39 ÷ 3 =	0.48 ÷ 4 =	0.3 ÷ 5 =
0.66 ÷ 11 =	0.49 ÷ 7 =	0.48 ÷ 4 =
0.36 ÷ 4 =	0.27 ÷ 30 =	1.44 ÷ 2 =
4.5 ÷ 5 =	3.5 ÷ 5 =	4.68 ÷ 4 =
0.48 ÷ 6 =	0.6 ÷ 3 =	0.33 ÷ 11 =
8.1 ÷ 9 =	0.12 ÷ 3 =	2.8 ÷ 7 =
0.54 ÷ 9 =	5.6 ÷ 8 =	8.1 ÷ 90 =
8.8 ÷ 40 =	9.8 ÷ 2 =	0.35 ÷ 5 =
0.66 ÷ 20 =	0.36 ÷ 20 =	0.39 ÷ 13 =
0.72 ÷ 9 =	3.8 ÷ 19 =	2.1 ÷ 30 =
2.8 ÷ 7 =	5.6 ÷ 80 =	0.21 ÷ 21 =
0.84 ÷ 2 =	0.42 ÷ 2 =	0.16 ÷ 8 =

练习十六

5.6 ÷ 0.8 =	1.6 ÷ 0.4 =	0.48 ÷ 0.12 =
0.12 ÷ 0.3 =	4.2 ÷ 1.4 =	2.1 ÷ 0.3 =
0.6 ÷ 0.4 =	3.8 ÷ 3.8 =	5.6 ÷ 0.07 =
3.5 ÷ 0.5 =	0.15 ÷ 0.3 =	0.45 ÷ 0.5 =
2.5 ÷ 10 =	0.11 ÷ 0.11 =	0.27 ÷ 0.3 =
3.2 ÷ 0.4 =	3.84 ÷ 0.2 =	2 1 ÷ 0.3 =
1.8 ÷ 1.8 =	0.68 ÷ 0.4 =	2.48 ÷ 0.8 =
6.4 ÷ 0.8 =	3.25 ÷ 5 =	0.42 ÷ 0.7 =
6.3 ÷ 9 =	9.65 ÷ 0.5 =	0.42 ÷ 0.3 =
0.6 ÷ 0.3 =	80 ÷ 1.6 =	0.25 ÷ 0.1 =
0.63 ÷ 0.7 =	2.5 ÷ 10 =	3.5 ÷ 0.7 =
36 ÷ 3.6 =	1.8 ÷ 0.9 =	0.38 ÷ 0.2 =
0.12 ÷ 0.3 =	0 ÷ 6.81 =	7 ÷ 3.5 =
1.44 ÷ 0.6 =	3.4 ÷ 3.4 =	2.4 ÷ 0.8 =
0.65 ÷ 0.13 =	4.2 ÷ 1.4 =	3.6 ÷ 0.4 =
0.42 ÷ 1.4 =	7.2 ÷ 0.6 =	

练习十七

1.6 ÷ 0.8 =	6.3 ÷ 2.1 =	4.3 × 0.4 =
6.3 ÷ 9 =	7.6 − 3.8 =	9.6 + 10.5
0.15 × 8 =	0.5 × 1.1 =	18.3 − 2.3 =
7.2 ÷ 0.6 =	0.92 ÷ 4 =	9.6 ÷ 6 =
3.7 + 4.8 =	6.2 + 1.7 =	6.8 ÷ 4 =
4.2 ÷ 1.4 =	0.5 + 0.14 =	1.2 ÷ 0.3 =
3.9 ÷ 3.9 =	6 ÷ 1.2 =	1.2 − 0.02 =

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