PERFECT
Maths 1

Table of Contents

Whole Numbers

Add, subtract, multiply, or divide.

	a	b	c	d	e

1.

a)
```
   24
   68
 + 53
```

b)
```
  326
  479
+ 194
```

c)
```
 7036
 1428
+ 311
```

d)
```
 37924
 18657
+93214
```

e)
```
 114738
 506247
+382011
```

2.

a)
```
  74
 - 8
```

b)
```
  325
 - 47
```

c)
```
 8804
-7963
```

d)
```
 57264
-19896
```

e)
```
 402685
-237418
```

3.

a)
```
   17
 x 28
```

b)
```
  473
 x 57
```

c)
```
 3862
x    9
```

d)
```
 7043
x    6
```

e)
```
 5877
x   43
```

4.

a)
```
   43
 x 37
```

b)
```
  648
 x209
```

c)
```
  829
 x634
```

d)
```
 2189
 x615
```

e)
```
 1724
 x 568
```

5.

a) 8)56 b) 3)743 c) 5)3807 d) 66)794 e) 28)596

6.

a) 71)934 b) 19)6118 c) 42)9527 d) 36)10379 e) 53)74891

Whole Numbers

Solve each problem.

7. Manuel read 58 pages on Sunday, 37 pages on Monday, and 43 pages on Tuesday. How many total pages did he read?

Manuel read _____ pages.

7. _____

8. If a car travels at an average speed of 48 miles per hour, how long will it take to go 1,776 miles?

It will take _____ hours.

8. _____

9. Kendra earns $63 a week at her part-time job. She plans to work 28 weeks this year. How much money will she earn?

She will earn _____ .

9. _____

10. A factory produced 593,257 calculators. However, 5,728 of them were defective. How many were good?

Of all the calculators, _____ were good.

10. _____

11. Mr. Fallows bought 3,560 square feet of land. It cost $33 for each square foot. How much did Mr. Fallows spend?

Mr. Fallows spent _____ .

11. _____

12. Mr. Fallows divided his 3,560 square feet of land into 23 equal plots, and he used the rest for a compost pile. How large was each plot? How large was the compost pile?

Each plot was _____ square feet.

The compost pile was _____ square feet.

12. _____

Adding through 6 Digits

	Add ones.	Add tens.	Add hundreds.
addend	3 2 4 1 3 8	3 2 4 1 3 8	3 2 4 1 3 8
addend	4 0 7 3 1 7	4 0 7 3 1 7	4 0 7 3 1 7
+ addend	+ 6 2 3 3 2	+ 6 2 3 3 2	+ 6 2 3 3 2
sum	7	8 7	7 8 7

	Add thousands.	Add ten thousands.	Add hundred thousands.
	3 2 4 1 3 8	3 2 4 1 3 8	3 2 4 1 3 8
	4 0 7 3 1 7	4 0 7 3 1 7	4 0 7 3 1 7
	+ 6 2 3 3 2	+ 6 2 3 3 2	+ 6 2 3 3 2
	3 7 8 7	9 3 7 8 7	7 9 3 7 8 7

Add.

	a	b	c	d	e
1.	375 + 17	42 + 136	526 + 417	2248 + 13271	642371 + 115238
2.	78 + 49	341 + 406	5583 + 2473	78426 + 1381	113471 + 207369
3.	53 + 928	620 + 620	3865 + 927	55371 + 40693	849380 + 20618
4.	43 27 + 108	126 403 + 369	4287 3500 + 1124	38257 4126 + 5310	586203 102479 + 130592
5.	33 12 60 + 14	441 302 124 + 113	3121 1407 2242 + 1158	13112 20841 33072 + 11825	135276 213401 106592 + 321145

Subtracting through 6 Digits

	Subtract ones.	Subtract tens.	Subtract hundreds.
Minuend	8 3 7 5 ⁷8̸ ¹⁴4̸	8 3 7 5 ⁷8̸ ¹⁴4̸	8 3 7 ⁶5̸ ¹⁵8̸ ⁷...
subtrahend	6 4 5 7 3 6	6 4 5 7 3 6	6 4 5 7 3 6
Difference	8	4 8	8 4 8

Subtract thousands.	Subtract ten thousands.	Subtract hundred thousands.
8 3 7 ⁶5̸ ¹⁵8̸ ⁷... ¹⁴4̸	8 3 ⁷7̸ ¹³... ⁶5̸ ...	8 ⁷3̸ ¹³7̸ ⁶5̸ ...
6 4 5 7 3 6	6 4 5 7 3 6	6 4 5 7 3 6
1 8 4 8	9 1 8 4 8	1 9 1 8 4 8

Subtract.

	a	b	c	d	e
1.	3 8 − 7	6 2 9 − 3 5	4 2 2 4 − 1 1 5	5 5 2 4 3 − 3 4 1 2 7	2 0 3 7 9 8 − 1 2 1 4 7 1
2.	4 4 − 2 8	7 0 8 − 5 2 1	8 9 7 4 − 2 1 8 7	3 8 7 1 9 − 1 6 4 2 3	9 3 2 4 8 7 − 3 5 0 3 7 8
3.	9 3 − 8	3 9 2 − 9 8	5 9 3 6 − 2 8 5 2	7 7 2 5 9 − 3 9 6 4 8	8 3 2 9 4 5 − 4 1 8 5 8
4.	3 4 − 2 6	8 4 2 − 5 5 1	7 7 3 4 − 2 8 1 7	9 8 3 2 7 − 9 4 1 5	4 3 8 7 2 1 − 3 9 4 6 3 2
5.	8 8 − 2 9	4 8 7 − 3 3 8	3 3 8 1 − 2 4 6 5	6 4 2 3 8 − 7 1 5 6	7 0 4 6 3 2 − 4 6 4 6 5 1
6.	6 2 − 3 9	5 3 0 − 2 6 7	6 6 4 2 − 3 9 5 1	8 7 4 0 3 − 2 9 3 1 2	3 8 4 7 2 3 − 6 6 9 0 5

Solve each problem.

1. Stu bought a book for $17. He paid with a $20 bill. How many change did he receive?

Stu received _____ in change.

2. The population of Pottsville. Middleton, and Swain are 38, 247, 635 and 1, 324. What is the total population of these cities?

The total population is _____ .

3. Rosa's car is due for its next service at 150,000 miles. So far she has driven 138,271 miles. How many more miles can she drive until her car needs service?

She can drive _____ more miles.

4. A girls' club had a car wash to raise money. The girls made $224 on Friday, $392 on Saturday, and $434 on Sunday. In the three days, how much money did they raise?

They raised _____ .

5. The stadium has 35,867 seats. Only 26,437 people attended last night's game. How many seats were empty?

There were _____ empty seats.

6. In the first four games of the season, the Muskrat basketball team scored 77, 88, 93 and 101 points. How many points did they score in the first games?

They scored _____ points.

7. At Gainesville Middle School, there are 327 students in the sixth grade, 463 students in the seventh grade, and 308 students in the eighth grade. How many students are there at Gainesville Middle School?

There are _____ students at Gainville Middle School.

1.

2.

3.

4.

5.

6.

7.

Multiplying through 4 Digits

Multiply 5824 by 7 ones.

$$\begin{array}{r} {}^{5}{}^{1}{}^{2} \\ 5824 \\ \times\ \ 147 \\ \hline 40768 \end{array}$$

Multiply 5824 by 4 tens.

$$\begin{array}{r} {}^{3}\ \ {}^{1} \\ 5824 \\ \times\ \ 147 \\ \hline 40768 \\ 232960 \end{array}$$

Multiply 5824 by 1 hundred. Then add.

$$\begin{array}{r} 5824 \\ \times\ \ 147 \\ \hline 40768 \\ 232960 \\ +\ 582400 \\ \hline 856128 \end{array}$$

Add

Multiply.

	a	b	c	d
1.	$\begin{array}{r} 37 \\ \times\ \ 4 \end{array}$	$\begin{array}{r} 682 \\ \times\ \ 7 \end{array}$	$\begin{array}{r} 526 \\ \times\ \ 3 \end{array}$	$\begin{array}{r} 2173 \\ \times\ \ 5 \end{array}$
2.	$\begin{array}{r} 46 \\ \times\ 53 \end{array}$	$\begin{array}{r} 376 \\ \times\ 49 \end{array}$	$\begin{array}{r} 423 \\ \times\ 64 \end{array}$	$\begin{array}{r} 5833 \\ \times\ 71 \end{array}$
3.	$\begin{array}{r} 68 \\ \times\ 29 \end{array}$	$\begin{array}{r} 287 \\ \times 423 \end{array}$	$\begin{array}{r} 323 \\ \times\ 605 \end{array}$	$\begin{array}{r} 4827 \\ \times\ 356 \end{array}$
4.	$\begin{array}{r} 37 \\ \times 468 \end{array}$	$\begin{array}{r} 732 \\ \times 268 \end{array}$	$\begin{array}{r} 3371 \\ \times\ 340 \end{array}$	$\begin{array}{r} 2479 \\ \times\ 236 \end{array}$

Dividing by 1 Digit

Divide 275 by 8.

```
        3
   8) 2 7 5
    − 2 4 0    30 x 8 = 240
      3 5      Subtract.
```

Divide 35 by 8.

```
        3 4  r 3
   8) 2 7 5
    − 2 4 0
      3 5
    −   3 2    4 x 8 = 32
        3      Subtract.
```

3 < 8, so it is a remainder.

Divide.

	a	**b**	**c**	**d**	**e**
1.	7) 4 3	3) 8 7	4) 2 1 5	6) 4 0 8	3) 2 3 3 4
2.	9) 8 3	2) 7 5	5) 4 2 7	7) 3 8 0 4	6) 1 0 3 7
3.	4) 5 6	7) 1 2 3	3) 5 2 6	2) 4 1 2 9	4) 7 7 2 3