math Antics Worksheets

Name: _____

Date: _____

Estimating Division

A-2DD 1

Instructions: For each problem, use round numbers to estimate how many times the first number will divide into the second number. You can round each number to different a place value (ones, tens, hundreds) if it seems like it will make it easier to estimate. The first 3 have been done as examples.

Note: Answers may vary. When grading, because these are just estimates, the answers are not really right or wrong, but just closer to or farther from the estimate we made.

1 12 into 63 → 10, 60

Estimate: 6

5 or 7 would also be reasonable estimates

2 23 into 47 → 25, 50

Estimate: 2

1 or 3 would also be reasonable estimates

3 46 into 186 → 50, 200

Estimate: 4

3 or 5 would also be reasonable estimates

4 18 into 39 → 20, 40

Estimate: 2

1 or 3 would also be reasonable estimates

5 43 into 115 → 40, 120

Estimate: 3

2 or 4 would also be reasonable estimates

6 33 into 146 → 30, 150

Estimate: 5

4 or 6 would also be reasonable estimates

7 31 into 89 → 30, 90

Estimate: 3

2 or 4 would also be reasonable estimates

8 16 into 58 → 15, 60

Estimate: 4

3 or 5 would also be reasonable estimates

9 17 into 174 → 17, 170

Estimate: 10

9 or 11 would also be reasonable estimates

10 83 into 235 → 80, 240

Estimate: 3

2 or 4 would also be reasonable estimates

11 11 into 79 → 10, 80

Estimate: 8

7 or 9 would also be reasonable estimates

12 26 into 177 → 25, 175

Estimate: 7

6 or 8 would also be reasonable estimates

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2-Digit Divisor Practice (Set 1)

A-2DD 2

Instructions: Divide. Follow the procedure you learned from the video. Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1 $10\overline{)530}$

```
  53
10)530
 -50
  30
 -30
   0
```

2 $20\overline{)640}$

```
  32
20)640
 -60
  40
 -40
   0
```

3 $15\overline{)3,015}$

```
 201
15)3,015
 -30
  015
 - 15
    0
```

4 $14\overline{)1,708}$

```
 122
14)1,708
 -14
  30
 -28
  28
 -28
   0
```

5 $12\overline{)3,708}$

```
 309
12)3,708
 -36
  108
 -108
    0
```

6 $19\overline{)8,189}$

```
 431
19)8,189
 -76
  58
 -57
  19
 -19
   0
```

$$\overset{3}{19} \times 4 = 76$$

$$\overset{2}{19} \times 3 = 57$$

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2-Digit Divisor Practice (Set 2)

A-2DD 3

Instructions: Divide. Follow the procedure you learned from the video. Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1

```
   46
14)644
 -56
  84
 -84
   0
```

2

```
   15
21)315
 -21
  105
 -105
    0
```

3

```
   130
25)3,250
 -25
   75
  -75
    00
```

4

```
   256
32)8,192
 -64
  179
 -160
   192
  -192
     0
```

1
32
x 5
160

1
32
x 6
192

5

```
   91
13)1,183
 -117
   13
  -13
    0
```

2
13
x 9
117

6

```
   234
21)4,914
 -42
  71
 -63
   84
  -84
    0
```

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Really Long 2-Digit Divisor Practice (Set 1)

A-2DD 4

Instructions: Divide. Follow the procedure you learned from the video. Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1

```
      3,652
12)43,824
 -36
   78
  -72
    62
   -60
     24
    -24
      0
```

2

```
      1,432
23)32,936
 -23
   99
  -92
    73
   -69
     46
    -46
      0
```

3

```
       634
50)31,700
 -300
   170
  -150
    200
   -200
      0
```

4

```
      12,043
75)903,225
 -75
  153
 -150
    322
   -300
     225
    -225
       0
```

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Really Long 2-Digit Divisor Practice (Set 2)

A-2DD 5

Instructions: Divide. Follow the procedure you learned from the video. Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1

```
   3,145
30)94,350
 -90
  43
 -30
  135
 -120
   150
  -150
     0
```

2

```
   2,433
18)43,794
 -36
  77
 -72
  59
 -54
   54
  -54
    0
```

3 × 18 = 54

2 × 18 = 36

4 × 18 = 72

3

```
   45,028
15)675,420
 -60
  75
 -75
   042
  -30
   120
  -120
     0
```

4 × 15 = 60

8 × 15 = 120

4

```
   2,357
80)188,560
 -160
  285
 -240
   456
  -400
   560
  -560
     0
```