

```
1: #!/afs/cats.ucsc.edu/courses/cmpls112-wm/usr/smalltalk/bin/gst -f
2: "$Id: divide.st,v 1.3 2014-10-22 15:44:14-07 - - $"
3:
4: "Division operations."
5: "/"    exact division, delivers a fraction"
6: "//    integer division, truncate to negative infinity"
7: "\\    integer modulus, corresponds to //"
8: "quo: integer division, truncate toward zero"
9: "rem: integer remainder, corresponds to quo:"
10:
11: nl := Character nl.
12:
13: rat := -7 /    3. stdout << 'rat = ' << rat << nl. rat inspect.
14: div := -7 //   3. stdout << 'div = ' << div << nl. div inspect.
15: mod := -7 \\   3. stdout << 'mod = ' << mod << nl. mod inspect.
16: quo := -7 quo: 3. stdout << 'quo = ' << quo << nl. quo inspect.
17: rem := -7 rem: 3. stdout << 'rem = ' << rem << nl. rem inspect.
18:
19: "TEST: divide.st"
```

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1: ****mks**** divide.st 2>&1
2: rat = -7/3
3: An instance of Fraction
4:   numerator: -7
5:   denominator: 3
6: div = -3
7: An instance of SmallInteger
8: mod = 2
9: An instance of SmallInteger
10: quo = -2
11: An instance of SmallInteger
12: rem = -1
13: An instance of SmallInteger
14: ****status: 0x0000
15:
```