math Antics
Exercises

Name:

Date:

Factoring

1 Factor 16 in two different ways.

$16 = 4 \times 4$

$16 = 2 \times 8$

or 1 x 16

2 Factor 30 in two different ways.

$30 = 5 \times 6$

$30 = 3 \times 10$

or 2 x 15

or 1 x 30

3 Factor 40 in three different ways.

$40 = 5 \times 8$

$40 = 4 \times 10$

$40 = 2 \times 20$

or 1 x 40

4 Is 7 a factor of 52 ?

- [ ] Yes
- [x] No

$$7\overline{)52}\quad 7,\ -49,\ 3$$

3 remainder

5 Is 3 a factor of 42 ?

- [x] Yes
- [ ] No

$$3\overline{)42}\quad 14,\ -3,\ 12,\ -12,\ 0$$

no remainder

6 Is 9 a factor of 153 ?

- [x] Yes
- [ ] No

153 ÷ 9 = 17 no remainder!

7 Find ALL the factors of 16.

factor list: 1 2 4 8 16

See Video for step-by-step solutions to each problem.