FACEing MATH™ Name: _____

# Lesson 3: Solving One-Step Equations using Addition, Subtraction, Multiplication, and Division

***Directions:*** *Solve each equation and use a pencil to DRAW the object that corresponds with your answer. SHOW YOUR STEPS!!!*

**1.** $x-3=11$

| | |
|---|---|
| (a) If your answer is $x=14$ draw the following large eyes. |  |
| (b) If your answer is $x=8$ draw the following large eyes. |  |

**2.** $\frac{1}{2}x=-8$

| | |
|---|---|
| (a) If your answer is $x=-16$ draw the following eyebrows. |  |
| (b) If your answer is $x=-4$ draw the following eyebrows. |  |

**3.** $-14=-6+x$

| | |
|---|---|
| (a) If your answer is $x=-20$ draw the following nose. |  |
| (b) If your answer is $x=-8$ draw the following nose. |  |

**4.** $7x=-21$

| | |
|---|---|
| (a) If your answer is $x=3$ draw square spots on the nose. |  |
| (b) If your answer is $x=-3$ draw circular spots on the nose. |  |

**5.** $-x=12$

| | |
|---|---|
| (a) If your answer is $x=12$ draw the following mouth. |  |
| (b) If your answer is $x=-12$ draw the following mouth. |  |

**6.** $-4+x=-7$

| | |
|---|---|
| (a) If your answer is $x=-3$ draw the following large ears. |  |
| (b) If your answer is $x=3$ draw the following large ears. |  |

**7.** $\frac{2}{3}x=10$

| | |
|---|---|
| (a) If your answer is $x=15$ draw horizontal stripes on the ears. |  |
| (b) If your answer is $x=30$ draw vertical stripes on the ears. |  |

**8.** $-5=x-3$

| | |
|---|---|
| (a) If your answer is $x=-2$ draw the following collar on the shirt. |  |
| (b) If your answer is $x=2$ draw the following collar on the shirt. |  |

**9.** $-18=-6x$

| | |
|---|---|
| (a) If your answer is $x=-3$ draw three tiny diamonds on the collar. |  |
| (b) If your answer is $x=3$ draw three tiny ovals on the collar. |  |

**10.** $3=12+x$

| | |
|---|---|
| (a) If your answer is $x=-9$ draw two antennas on the top of the head. |  |
| (b) If your answer is $x=4$ draw three antennas on the top of the head |  |

**11.** $-\frac{1}{2}x=4$

| | |
|---|---|
| (a) If your answer is $x=-2$ draw four extra arms coming from the shirt. |  |
| (b) If your answer is $x=-8$ draw two extra |  |

**12.** $63=-9x$

| | |
|---|---|
| (a) If your answer is $x=72$ draw planet with no ring around it in the sky. |  |
| (b) If your answer is $x=-7$ draw a planet with |  |

***Directions:*** *Solve each equation and COLOR the object that corresponds with your answer.*
***SHOW YOUR STEPS!!!***

**13.** $\frac{1}{5}x = 5$

| |
|---|
| (a) If your answer is $x = 1$ color the eyes solid red. |
| (b) If your answer is $x = 25$ color the eyes solid black. |

**14.** $-7 = x - 8$

| |
|---|
| (a) If your answer is $x = 1$ color the eyebrows orange. |
| (b) If your answer is $x = -1$ color the eyebrows blue. |

**15.** $-3 = -x$

| |
|---|
| (a) If your answer is $x = 3$ color the spots on the nose brown. |
| (b) If your answer is $x = -3$ color the spots on the nose yellow. |

**16.** $12 = \frac{3}{4}x$

| |
|---|
| (a) If your answer is $x = 16$ color the nose blue. |
| (b) If your answer is $x = 9$ color the nose purple. |

**17.** $-2x = -20$

| |
|---|
| (a) If your answer is $x = -18$ outline the mouth in pink. |
| (b) If your answer is $x = 10$ outline the mouth in red. |

**18.** $x - 6 = -4$

| |
|---|
| (a) If your answer is $x = -2$ color every other ear stripe red. |
| (b) If your answer is $x = 2$ color every other ear stripe blue. |

**19.** $-12 = 6 + x$

| |
|---|
| (a) If your answer is $x = -18$ color every other ear stripe brown. |
| (b) If your answer is $x = -6$ color every other ear stripe orange. |

**20.** $-44 = 11x$

| |
|---|
| (a) If your answer is $x = -4$ color the shapes on the collar purple. |
| (b) If your answer is $x = -55$ color the shapes on the collar black. |

**21.** $-10 = -\frac{1}{2}x$

| |
|---|
| (a) If your answer is $x = 5$ color the shirt collar pink. |
| (b) If your answer is $x = 20$ color the shirt collar orange. |

**22.** $-9 + x = 3$

| |
|---|
| (a) If your answer is $x = -12$ color the rest of the shirt blue. |
| (b) If your answer is $x = 12$ color the rest of the shirt purple. |

**23.** $5 = -x$

| |
|---|
| (a) If your answer is $x = 5$ color all of the arms blue. |
| (b) If your answer is $x = -5$ color all of the arms green. |

**24.** $5 = 9 + x$

| |
|---|
| (a) If your answer is $x = -4$ color the antennas purple. |
| (b) If your answer is $x = 14$ color the antennas green. |

**25.** $\frac{1}{2}x = 6$

| |
|---|
| (a) If your answer is $x = 3$ color the face and neck blue. |
| (b) If your answer is $x = 12$ color the face and neck green. |

**26.** $x - 8 = 3$

| |
|---|
| (a) If your answer is $x = 11$ color the planet red. |
| (b) If your answer is $x = 24$ color the planet orange. |

**27.** $3x = -15$

| |
|---|
| (a) If your answer is $x = -18$ color the sky blue. |
| (b) If your answer is $x = -5$ color the sky black. |