

X-POWER CHAPTER 1 QUIZ FORM A ANSWER KEY

1. Write the fact team for each set of three numbers.

a. 105, 320, 215

$$105 + 215 = 320$$

$$215 + 105 = 320$$

$$320 - 215 = 105$$

$$320 - 105 = 215$$

b. 15, 7.5, 2

$$2 \times 7.5 = 15$$

$$7.5 \times 2 = 15$$

$$15 \div 2 = 7.5$$

$$15 \div 7.5 = 2$$

2. Fill each blank with either $>$ or $<$ to make a true statement:

a. -0.8 $>$ -1.4

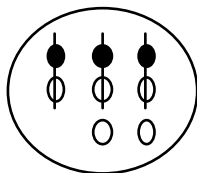
c. $-(-6)$ $<$ 9

b. $|-5|$ $>$ -5

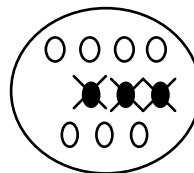
d. $|-5|$ $>$ $|-4.5|$

3. Use the marble model to illustrate each problem:

a. $-3 + 5 = 2$



b. $4 - (-3) = 7$



Students should show a model for take away, not adding the opposite.

4. Find four pairs of numbers whose sum is -5 .

Answers will vary, For example,

0 and -5 -1 and -4

1 and -6 -2 and -3

5. Miss Piggy went on a diet and lost 3 pounds the first week, gained 4 pounds the second week, and lost 7 pounds the third week. What was Miss Piggy's net gain or loss over the three-week period?

She had a net loss of 6 pounds.

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6. At the start of trading, the stock of Work-4-U Industries opened at \$26 per share. On Monday it had dropped \$2.25, but on Tuesday it gained \$1.50. What was its closing value on Tuesday?

Its closing value was \$25.25.

7. Perform the operations indicated. Show your work or give an explanation of how you solved the problem.

a. $2\frac{3}{5} \cdot 1\frac{1}{9}$

$2\frac{8}{9}$

c. $13.59 \div 4.5$

3.02

b. $2\frac{8}{9} \div 2\frac{3}{5}$

$1\frac{1}{9}$

d. $4\frac{5}{6} + 2\frac{1}{8}$

$6\frac{23}{24}$

Students should show an appropriate algorithm or give a mathematically correct explanation.