

LESSON
11.6**Gram and Ounce Museum**

1. a. What was the heaviest item in the class Gram and Ounce Museum? _____
b. How much did it weigh? _____ grams _____ ounces
2. a. What was the lightest item in the class Gram and Ounce Museum? _____
b. How much did it weigh? _____ grams _____ ounces

Complete.

3. 6 g = _____ mg 4. _____ g = 7,000 mg
5. 3 kg = _____ g 6. _____ kg = 8,000 g
7. 2.9 g = _____ mg 8. _____ kg = 4,500 g
9. 6 lb = _____ oz 10. _____ lb = 144 oz
11. 3.5 lb = _____ oz 12. 8 T = _____ lb

Use the Rules of Thumb below to solve Problems 13–15. Write number models to show how you estimated.

Rules of Thumb

1 kilogram equals about 2.2 pounds
1 ounce equals about 30 grams

13. A video camera weighs about 120 grams. About how many ounces is that?

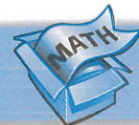
Number model: _____ oz

14. A baby weighs about 3.5 kilograms at birth. About how many pounds is that?

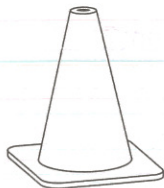
Number model: _____ lb

15. An African elephant weighs 11,023 pounds. About how many kilograms is that?

Number model: _____ kg

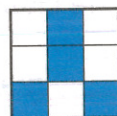
LESSON
11.6
Math Boxes


1. The object below has the shape of a geometric solid. Name the solid.

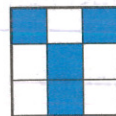




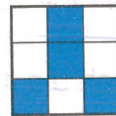
2. Which figure below shows the original figure rotated clockwise $\frac{1}{2}$ -turn?



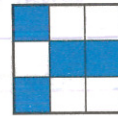
Original



A



B



C



3. Write a number model to estimate the answer. Then correctly place the decimal point.

a. $6 * 32.9 = 1974$

Number model: _____

b. $329 = 98.7 \div 3$

Number model: _____

4. Insert $<$, $>$, or $=$ to make a true number sentence.

a. -34 _____ -9

b. -89 _____ -99

c. -2.99 _____ -2.9

d. $-\frac{1}{4}$ _____ $-\frac{1}{3}$

e. $-\frac{18}{9}$ _____ $-2\frac{1}{4}$



5. Round 8.99 to the nearest tenth. Circle the best answer.

A. 8.0

B. 9.0

C. 9.1

D. 8.09



6. It takes 2 cups of flour to make about 20 medium-size peanut butter cookies. How many cups of flour will you need to make about

a. 40 cookies? _____ cups

b. 60 cookies? _____ cups

c. 50 cookies? _____ cups

d. 740 cookies? _____ cups



STUDY LINK
11•6

Positive and Negative Numbers



Add or subtract.

1. $-40 + (-70) =$ _____

2. $12 - 20 =$ _____

3. _____ $= -14 - (-6)$

4. _____ $= 10 - (-5)$

5. $15 + (-1) =$ _____

6. $-12 - 7 =$ _____

7. _____ $= 60 + (-130)$

8. _____ $= -2 - (-20)$

9. Write two subtraction problems with an answer of -8 .

_____ $-$ _____ $= -8$ _____ $-$ _____ $= -8$

10. Write two addition problems with an answer of -30 .

_____ $+$ _____ $= -30$ _____ $+$ _____ $= -30$

Write $<$ or $>$ to make a true number sentence.

11. $0 - 7$ _____ -6

12. -11 _____ $-13 - (-5)$

13. $7 + (-2)$ _____ -8

14. $18 + (-8)$ _____ -18

15. $26 - (-14)$ _____ $27 + (-16)$

16. $9 - (-11)$ _____ $0 + (-20)$

List the numbers in order from least to greatest.

17. $\frac{30}{6}, 8, -14, -0.7, 5.6, -2.5$

least

greatest

18. $0.02, -\frac{3}{5}, -7, 4, 0.46, -\frac{24}{6}$

least

greatest

Practice

19. _____ $= 34 * 78$

20. _____ $= 46 * 959$

21. $632 \div 4 =$ _____

22. $746 \div 7 =$ _____