

1. Compute. Show your work.

a. $13.7 + 6.4$

b. $15.0 - 5.6$

c. $(4.7)(7.2)$

d. $70.02 \div 0.03$

2. Bella bought 5 books that all cost the same amount. Her bill was \$80.75. How much did each book cost?

3. Simplify each expression.

a. $-54 + (-36)$

b. $21 - (-5)$

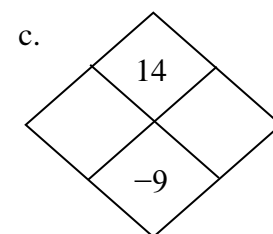
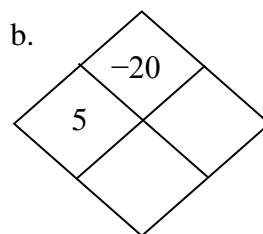
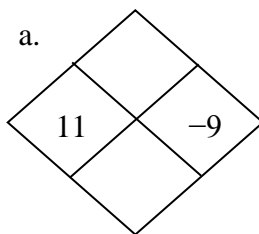
c. $11(-6)$

d. $-36 \div (-9)$

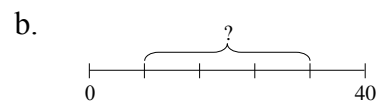
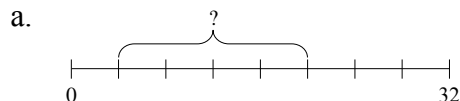
e. $-7 - 3 - 5$

f. $-28 - 22$

4. Complete each of these Diamond Problems:



5. The lines are divided into equal parts. Fill in the missing numbers and identify the length of the missing section of each line.



6. Mr. Jones feeds his big cat $\frac{3}{8}$ of a can of cat food and he feeds his small cat half that amount.

a. How much of a can does he feed his small cat?

b. How much of a can does he feed both cats?

7. Simplify. Write fraction answers in simplest form.

a. $\frac{5}{8} - \frac{1}{2}$

b. $4\frac{7}{8} + 2\frac{1}{2}$

c. $-\frac{2}{3} + \frac{4}{5}$

d. $\frac{3}{4} \cdot \frac{1}{12}$

e. $20 \cdot \frac{1}{4}$

f. $\frac{1}{15} \div \frac{1}{3}$

8. Evaluate each of the following expressions.

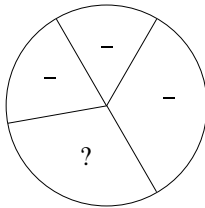
a. $13 + 6 \cdot 5$

b. $7 \cdot 3 + 3 \cdot 10$

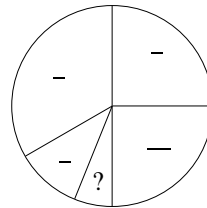
c. $7 + 5(8 - 6)$

9. The two spinners below are incomplete. If the numbers in the sections of the spinner represent the probabilities of spinning each section, what fraction is missing in each spinner?

a.



b.



10. Consider the representation to the right. Write the portion shaded as:
a. a fraction b. a decimal c. a percent
(in simplest form)

