Practice: Get Ready

Operations With Fractions

1. Add or subtract. Express your answers in lowest terms.

   a) $\dfrac{7}{8}+\dfrac{5}{8}$

   b) $\dfrac{5}{6}-\dfrac{1}{3}$

   c) $\dfrac{2}{3}+\dfrac{1}{5}$

   d) $2\dfrac{1}{4}-\dfrac{5}{6}$

2. Multiply or divide. Express your answers in lowest terms.

   a) $\dfrac{4}{15}\times\dfrac{5}{8}$

   b) $\dfrac{1}{3}\div\dfrac{5}{9}$

   c) $3\dfrac{2}{7}\times4\dfrac{2}{3}$

   d) $1\dfrac{1}{5}\div\dfrac{5}{6}$

3. Donald needs $20 to buy a ticket to a show. He earned $\dfrac{1}{4}$ of the money on Monday, $\dfrac{2}{5}$ on Tuesday, and $\dfrac{1}{10}$ on Wednesday. What fraction of the money does Donald still need to earn?

Operations With Integers

4. Find each sum, difference, product, or quotient.

   a) $-8+3$

   b) $6+(-8)$

   c) $-2+(-5)$

   d) $7-(-3)$

   e) $-12-9$

   f) $-1-(-4)$

   g) -25×3

   h) $11\times(-4)$

   i) $-50\times(-4)$

   j) $72\div(-8)$

   k) $-60\div(-12)$

   l) $-24\div4$

5. Evaluate.

   a) $32\div(-4)\times3$

   b) $(-2)\times6+(-4)$

   c) $-64\div8\div(-2)$

   d) $23+(-7)-(-5)-6$

6. Kate borrowed $7 from her parents on each of the last 4 days. This morning she paid her parents $20. How much does Kate still owe her parents?

Order of Operations

7. Evaluate.

   a) $-16+4\times(-3)$

   b) $35\div(-7)+(-3)(-5)$

   c) $(6-18)\times(-8+2)$

   d) $5(14-11)^2-(-2)$

   e) $-10+8-12\div(-4)\times2$

   f) $-30\div5\times2+(-8)$

   g) $[(6^2+3)\div13]^2$

   h) $(12+9)\div(-20+17)$

8. Martine deposited $15 in her bank account each week for 6 weeks. Then she withdrew $8 each week for 9 weeks. How much money does Martine have left in her bank account?

9. Khaled is making a design with paper. He started with a square of paper with side length 20 cm. He cut out 5 small squares, each with sides 2 cm long.

   a) Write an expression for the area of paper in Khaled's design.

   b) Find the area of the paper.