

Homework

Activity 1

Simplify the ratios.

Model $\frac{6}{12}$ **Answer:** $\frac{6}{12} = \frac{1}{2}$

1. $\frac{7}{14}$

2. $\frac{3}{12}$

3. $\frac{4}{20}$

4. $\frac{5}{15}$

5. $\frac{8}{48}$

Activity 2

Set up the unit rate problems as proportions. Tell what the variable represents. Show the units in words. Find the unit rate.

Model It costs \$8 for 4 sandwiches. How much does it cost for just 1 sandwich?

Answer: $\frac{\text{Cost}}{\text{Sandwich}} \quad \frac{\$8}{4} = \frac{x}{1}$ X stands for the cost of 1 sandwich.
 $\frac{\text{Cost}}{\text{Sandwich}} \quad \frac{\$8}{4} = \frac{\$2}{1}$ The cost of one sandwich is \$2.

1. Nguyen paid \$40 for 4 CDs. If all 4 cost the same amount, what was the cost of just 1 CD?
2. Sheldon paid \$180 for 6 pairs of contact lenses. What was the cost of just 1 pair of lenses?
3. Britt can do 45 sit-ups in 3 minutes. How many sit-ups can she do in just 1 minute?

Activity 3

Tell the better deal in each case by finding the unit rate.

1. What's the better deal, 1 apple for \$.50, or 3 for \$1?
2. What's the better deal, 1 pair of jeans for \$60 or 3 for \$200?
3. What's the better deal, 1 T-shirt for \$19 or 2 for \$40?
4. What's the better deal, 1 CD for \$15 or 2 for \$25?
5. What's the better deal, 3 juices for \$1 or \$.75 for 1 juice in the vending machine?



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Activity 4 • Distributed Practice

Solve.

1. $\frac{4}{5} + \frac{2}{5} = x$

2. $35 - w = 19$

3. $4.75 + 2.98 = z$

4. $a + 385 = 410$

5. $\frac{1}{2} \cdot \frac{3}{5} = b$

6. $139.7 - 48.19 = c$

7. $\frac{4}{5} \div \frac{1}{5} = d$

8. $e \div 7 = 50$