



Homework

Activity 1

For each comparison of ratios, tell what you are making the same—the quantity (Q) or the cost (C).

Model $\frac{\text{Lip Gloss}}{\text{Cost}}$ $\frac{3}{\$4}$ $\frac{5}{\$8}$

↓

$\frac{6}{\$8}$ $\frac{5}{\$8}$

Answer: (C) We are making the cost the same.

1. $\frac{\text{Pears}}{\text{Cost}}$ $\frac{2}{\$1}$ $\frac{5}{\$3}$

↓

$\frac{6}{\$3}$ $\frac{5}{\$3}$

2. $\frac{\text{Baseball Cards}}{\text{Cost}}$ $\frac{10}{\$25}$ $\frac{5}{\$10}$

↓

$\frac{10}{\$25}$ $\frac{10}{\$20}$

3. $\frac{\text{Earrings (pairs)}}{\text{Cost}}$ $\frac{3}{\$10}$ $\frac{6}{\$24}$

↓

$\frac{6}{\$20}$ $\frac{6}{\$24}$

4. $\frac{\text{DVDs}}{\text{Cost}}$ $\frac{5}{\$80}$ $\frac{3}{\$40}$

↓

$\frac{5}{\$80}$ $\frac{6}{\$80}$

5. $\frac{\text{Candy Bars}}{\text{Cost}}$ $\frac{3}{\$2}$ $\frac{15}{\$9}$

↓

$\frac{15}{\$10}$ $\frac{15}{\$9}$

Homework

Activity 2

Write the algebraic pattern that matches the visual patterns.

Model What is the pattern?

| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 | Box 6 |
|-------|----------|------------|--------------|----------------|------------------|
| ○○ | ○○ ○○ | ○○○ ○○○ | ○○○○ ○○○○ | ○○○○○ ○○○○○ | ○○○○○○ ○○○○○○ |

Answer: $2 \cdot n$

1. What is the pattern?

| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 | Box 6 |
|-------|------------|----------------|------------------|----------------------------|--------------------------------------|
| ○○○ | ○○○ ○○○ | ○○○○○ ○○○○○ | ○○○○○○ ○○○○○○ | ○○○○○○ ○○○○○○ ○○○○○○ | ○○○○○○ ○○○○○○ ○○○○○○ ○○○○○○ |

2. What is the pattern?

| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 | Box 6 |
|-------|-------|-------|-------|-------|--------|
| ○ | ○○ | ○○○ | ○○○○ | ○○○○○ | ○○○○○○ |

3. What is the pattern?

| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 | Box 6 |
|-------|--------------|----------------------|------------------------------|----------------------------------|--|
| ○○○○ | ○○○○ ○○○○ | ○○○○ ○○○○ ○○○○ | ○○○○ ○○○○ ○○○○ ○○○○ | ○○○○○ ○○○○○ ○○○○○ ○○○○○ | ○○○○○○ ○○○○○○ ○○○○○○ ○○○○○○ ○○○○○○ |



Homework

Activity 3

Select the better deal per unit in each problem. Find the equivalent ratio to make either the quantity the same or the cost the same. Then tell which is the better deal by writing either (a) or (b) on your paper.

- (a) 6 apples for \$2 or
(b) 12 apples for \$3
- (a) 2 CDs for \$20 or
(b) 3 CDs for \$40
- (a) 3 lip glosses for \$10 or
(b) 9 lip glosses for \$35
- (a) 4 video games for \$100 or
(b) 8 video games for \$160

Activity 4 • Distributed Practice

Solve.

- $17.1 - 8.6 = a$
- $\frac{4}{5} \cdot \frac{2}{3} = b$
- $1.6 \div 4 = c$
- $\frac{8}{9} + \frac{4}{3} = d$
- Write 25% as a decimal number.
- Write the decimal number 0.08 as a fraction.
- Write the fraction $\frac{4}{5}$ as a decimal number.
- Write the fraction $\frac{3}{4}$ as a percent.