

Writing an Equivalent Decimal

Answer Key

Give what is asked in each item and then write your answers on the space provided.

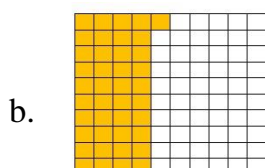
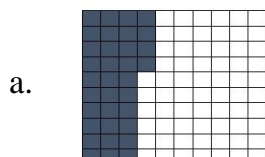
1. Write an equivalent decimal for each fraction.

- a. $\frac{10}{50}$ d. $\frac{6}{8}$
 b. $\frac{4}{20}$ e. $\frac{11}{5}$
 c. $\frac{5}{25}$ f. $\frac{89}{100}$

Answers:

- a. **0.2** c. **0.2** e. **2.2**
 b. **0.2** d. **0.75** f. **0.89**

2. Write the decimal shown by each model. Are they **equivalent** or **not equivalent**?



Answers:

- a. **0.34; 0.41; Not equivalent**
 b. **0.41; 0.41; Equivalent**

3. Determine whether each pair of decimal and fraction is **equivalent** or **not equivalent**.

- a. **0.3** and $\frac{3}{100}$ d. **0.89** and $\frac{3}{5}$
 b. **2.40** and **4.20** e. $\frac{1}{6}$ and **0.16**
 c. $\frac{1}{3}$ and $\frac{10}{30}$ f. **0.7** and **0.07**

Answers:

- a. **Not equivalent** d. **Not equivalent**
 b. **Not equivalent** e. **Not equivalent**
 c. **Equivalent** f. **Not equivalent**

4. Which fraction is **not equivalent** to 0.50? a.

- a. $\frac{5}{100}$ b. $\frac{50}{100}$ c. $\frac{5}{10}$ d. $\frac{1}{2}$

5. Mae spent **\$2.45** on her skirt while Jessa spent \$ $2\frac{45}{100}$ on her skirt. Did they spend an equivalent amount of money? How did you find out?

Answer:

Yes. Convert the money Jessa spent to an equivalent decimal (\$2.45) and then compare.