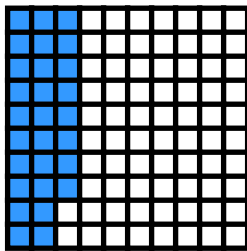# Decimals: Skill 4 - 27E

Decimals

Carla is practicing her basketball skills. From a line on the court, she made 100 tries to make a basket. Of the 100 tries, 28 shots went in the hoop. Write her number of successful shots out of the total number of tries as a fraction and as a decimal to the hundredths place.

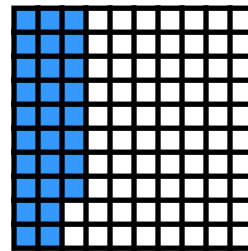| The model shows the number of shots that went in the hoop out of the total number of tries.	You can write a decimal for a fraction.
The fraction below shows the model. Out of 100 attempts, 28 shots went in the hoop. parts shaded ⟶ **28** ⟵ shots made total equal parts ⟶ **100** ⟵ shots attempted	The model shows the fraction $\frac{28}{100}$. $\frac{28}{100}$ written as a decimal is 0.28

This is the decimal 0.28 in a place value chart.

Ones		Tenths	Hundredths
0	.	2	8

1. Jason took a test with 100 questions. He got 84 of the answers correct. Write the number of correct answers as a fraction and as a decimal to the hundredths place.

2. In music class, $\frac{6}{10}$ of the students play stringed instruments. Write $\frac{6}{10}$ as a decimal.
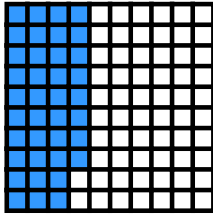
Decimals: Skill 4 - 27E

Decimals

3. Karen spent $0.89 for a pen. Write $0.89 as a fraction.

4. Janice made 36 out of 100 basketball shots that she attempted. Write her score as a fraction and as a decimal to the hundredths place.

5. Barbara got 50 hits out of 100 times at bat for her softball team. Write her number of hits as a decimal to the hundredths place and as a fraction in simplest form.

6. Tom walked 0.5 miles to school. Write 0.5 as a fraction.

7. One "mil" is $\frac{1}{1,000}$ of an inch. Write $\frac{1}{1,000}$ as a decimal.

8. Marissa wrote 0.04 as the fraction $\frac{1}{25}$. Is she correct? Explain your answer.

9. Juan wrote 0.029 as the fraction $\frac{29}{1,000}$. Is he correct? Explain your answer.

Decimals: Skill 4 - 27E

Decimals

10. Darlene thinks that 0.50 equals $\frac{1}{2}$. Is she correct? Explain your answer.

11.

Write the decimal that the model shows.

12. Write four and seven thousandths as a decimal number. Write two and forty-seven hundredths as a decimal number.

13. Which digit is in the tenths place, 3.251?

Which digit is in the thousandths place, 4.103?

14. Which decimal is equivalent to 0.6500?　　　**a.** 0.6　**b.** 0.650　**c.** 0.60　**d.** 0.7

15. Round 5.25 to the nearest tenth.

Round 4.5 to the nearest whole number.

Round 6.3 to the nearest whole number.

16. Michael completed $\frac{3}{4}$ of his homework. What decimal is equivalent to $\frac{3}{4}$?

Answer Key: 27E: Grade 4

1. $\dfrac{84}{100} = 0.84$ **2.** $\dfrac{6}{10} = 0.6$ **3.** $\dfrac{89}{100}$ **4.** $\dfrac{36}{100} = 0.36$ **5.** $0.50 = \dfrac{50}{100}$ or $\dfrac{1}{2}$

6. $0.5 = \dfrac{5}{10}$ or $\dfrac{1}{2}$ **7.** $\dfrac{1}{1,000} = 0.001$ **8.** yes, $0.04 = \dfrac{4}{100}$ and $\dfrac{4}{100}$ in simplest form is $\dfrac{1}{25}$

9. yes, $\dfrac{29}{1,000} =$

Ones		Tenths	Hundredths	Thousandths
0	.	0	2	9

10. yes, $0.50 = \dfrac{50}{100}$ and $\dfrac{50}{100} = \dfrac{1}{2}$ **11.** 0.38

12. 4.007, 2.47   **13.** 2, 3   **14. b.** 0.650

15. 5.3, 5, 6   **16.** $\dfrac{3}{4} = \dfrac{75}{100}$ $\dfrac{75}{100} = 0.75$