

**Decimal Skills and Percentage**

1)  $3.4 \div 13.6 =$

**0.25**

2)  $1.3 \div 6.5 =$

**0.2**

3)  $50 \div 12.5 =$

**4**

4)  $26 \div 8 =$

**3.25**

5) Chad drove to Grandma's house. The trip took him 5.6 hours. If he drove at an average speed of 62.5 miles per hour, what was the distance of Chad's drive?

**Chad drove 350 miles.**

6) Serena went shopping for some clothes. She purchased 3 pairs of pants for \$24.99 each. She also purchased three shirts for \$12.98 a piece. To top off her shopping experience she then purchased a pair of shoes for \$49.99. How much did she spend altogether?

**Serena spent \$163.90 total.**

7) If Henry correctly answered 16 out of 20 questions correctly on a test, what percent did he score correctly?

**Henry correctly answered 80% of his test.**

8) Francis made 9 out of 15 free throws during his basketball game. What percent of his free throws did he make? (change to decimal first and then to percent!)

**Francis made 60% of his free throws.**

9) Which of the following should be written in the blank to make the value in order from greatest to least?

60% \_\_\_\_\_ 0.5

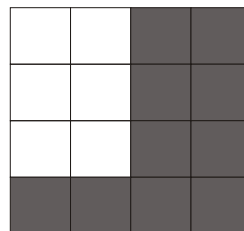
A)  $\frac{2}{5}$

B) 45%

C) 0.6

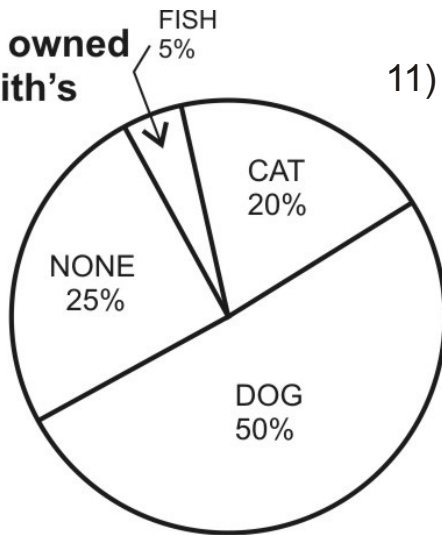
**D)  $\frac{11}{20}$**

10) What percent of the squares are shaded in the figure below? Do not round. Find the exact percentage!



**62.5% of the squares are shaded.**

Type of pet owned by Mrs. Smith's class.



11) What fraction of Mrs. Smith's class owns either a dog or no pet?

$\frac{3}{4}$  of the class.

12) What fraction of Mrs. Smith's class does not own a pet?

$\frac{1}{4}$  of the class.

13) If 100% of  is

and 50% of  is

what is 25% of  ?

Draw a picture.

Write the following numbers as a percentage. (ALWAYS move decimal 2 spaces to the right!)

14) 0.25 25%    15) 0.07 7%

16) 0.005 0.5%    17) 0.1 10%

18) 0.4 40%

Write the following as a decimal.

19) 45% .45    20) 7% .07

21) 3% .03    22) 123% 1.23

23) 9% .09    24) 2.5% .025

To find the percent of number by changing the percent into a decimal and multiplying it by the other number. Example. 15% of 200 is set up as  $0.15 \times 200 = 30$

25) What is 25% of 500?    26) What is 75% of 300?    27) What is 55% of 250?

$$\begin{array}{r} 500 \\ \times .25 \\ \hline 125 \end{array}$$

225

137.5