

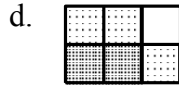
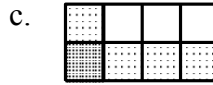
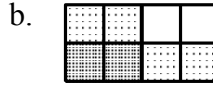
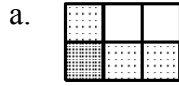
**Fractions Study Guide**

**Multiple Choice**

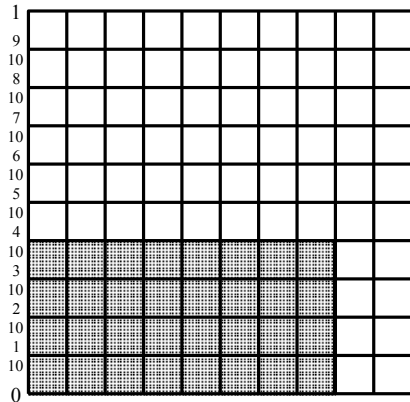
Identify the choice that best completes the statement or answers the question.

1. What is  $\frac{44}{7}$  as a mixed number or whole number?

- a.  $\frac{7}{44}$
- b.  $44\frac{1}{7}$
- c.  $4\frac{4}{7}$
- d.  $6\frac{2}{7}$



2.  $\frac{8}{10} \times \frac{4}{10} = ?$



0  $\frac{1}{10}$   $\frac{2}{10}$   $\frac{3}{10}$   $\frac{4}{10}$   $\frac{5}{10}$   $\frac{6}{10}$   $\frac{7}{10}$   $\frac{8}{10}$   $\frac{9}{10}$  1

- a.  $\frac{24}{100}$
- b.  $\frac{4}{10}$
- c.  $\frac{8}{10}$
- d.  $\frac{32}{100}$

3. How could  $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$  be represented pictorially?

4. There are 2 grape juice boxes and 4 apple juice boxes in the cooler. If Matt takes one from the cooler without looking, what is the probability that the juice box is grape?

- a.  $\frac{1}{2}$
- b.  $\frac{1}{4}$
- c.  $\frac{1}{3}$
- d.  $\frac{1}{6}$

5. Three fourths of 36 is

- a. 48
- b. 27
- c. 24
- d. 9

6. Reduce:  $6\frac{8}{12}$

- a.  $6\frac{5}{6}$
- b.  $6\frac{2}{3}$
- c.  $6\frac{1}{2}$
- d.  $6\frac{1}{12}$

Name: \_\_\_\_\_

Class: \_\_\_\_\_

7. What is the greatest common factor of 166 and 146?  
a. 312

- b. 4  
c. 262  
d. 2

**Numeric Response**

8. Multiply:  $\frac{1}{7} \times \frac{6}{7}$

9.  $\frac{4}{7} = \frac{r}{21}$

10. What number is  $\frac{2}{3}$  of 21?

11. Find the greatest common factor of 6 and 120.

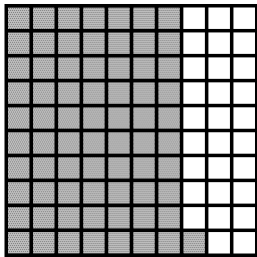
**Problem**

12. Compare: 1.546  $\bigcirc$  1.936

13. Write  $\frac{12}{5}$  as a mixed number or whole number.

14. Add:  $\frac{4}{5} + \frac{3}{5}$

15. Name the shaded part of this square



- (a) as a fraction  
(b) as a decimal number  
(c) as a percent

16. Write fractions equal to  $\frac{1}{7}$  and  $\frac{1}{2}$  with denominators of 14. Then add the fractions.

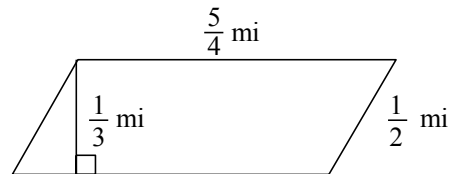
17. Reduce each fraction:

(a)  $\frac{14}{21}$

(b)  $\frac{9}{15}$

(c)  $\frac{7}{14}$

18. (a) What is the area of the parallelogram?  
(b) What is the perimeter of the parallelogram?



**Short Answer**

19. Find the value of each  $\square \cdot \frac{5}{8} = \frac{5 \times 8}{8 \times 8} = \frac{\square}{\square}$

20. A quarter is what fraction of a dollar?