

Test Items:

**Questions**

**Multiple-choice type of questions:**

1. Express  $2\frac{4}{7}$  as an improper fraction

A.  $\frac{13}{7}$

B.  $\frac{18}{7}$

C.  $\frac{9}{4}$

D.  $\frac{18}{4}$

2. Simplify:  $4 - \frac{3}{8}$

A.  $4\frac{1}{8}$

B.  $3\frac{1}{8}$

C.  $3\frac{5}{8}$

D.  $4\frac{5}{8}$

3. Change  $\frac{37}{6}$  to a mixed number.

A.  $3\frac{7}{6}$

B.  $6\frac{3}{6}$

C.  $6\frac{1}{6}$

D.  $3\frac{1}{6}$

4. Simplify:  $\frac{3}{8} \times 40$

- A. 15
- B. 12
- C. 13
- D. 18

5. Evaluate:  $5\frac{1}{4} + \frac{6}{7}$

- A.  $6\frac{3}{28}$
- B.  $5\frac{3}{28}$
- C.  $6\frac{7}{28}$
- D.  $5\frac{7}{28}$

6. Write  $\frac{13}{8}$  as a decimal.

- A. 1.3
- B. 1.625
- C. 1.8
- D. 1.4

7. Express  $\frac{3}{5}$  as a percentage

- A. 35%
- B. 50%
- C. 53%
- D. 60%

8. Simplify:  $5\frac{1}{6} - 2\frac{3}{4}$

- A.  $2\frac{3}{6}$
- B.  $2\frac{5}{12}$

C.  $3\frac{3}{12}$

D.  $2\frac{5}{6}$

9. Express  $4\frac{3}{1000}$  as a decimal

A. 4.03

B. 3.004

C. 4.30

D. 4.003

10. By how much is  $4\frac{1}{4}$  larger than  $3\frac{1}{2}$ ?

A.  $\frac{3}{4}$

B.  $\frac{2}{4}$

C.  $\frac{1}{2}$

D.  $\frac{1}{4}$

**Word Problems type of questions;**

11. Simplify:  $4 \frac{3}{8} \div 1 \frac{3}{4}$

= \_\_\_\_\_

12. Shade  $\frac{3}{4}$  in figure 1

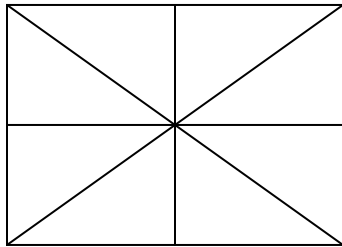


Figure 1

13. Which fractions below are equal to  $\frac{2}{3}$  ?

Circle the answers,  $\frac{3}{5}$   $\frac{4}{6}$   $\frac{6}{8}$   $\frac{9}{15}$   $\frac{8}{12}$

14. Simplify:  $3 \frac{5}{8} - 1 \frac{1}{3} + 2 \frac{1}{6}$

= \_\_\_\_\_

15. Find the sum of  $\frac{3}{4}$ , 0.28 and 4

= \_\_\_\_\_

16. Find the total fraction of the shaded parts in figure 2

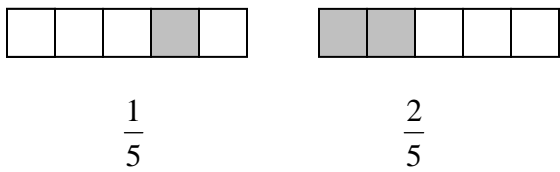


Figure 2

= \_\_\_\_\_

17. Fill in the blanks with the correct equivalent fraction.

$$\frac{3}{4} = \frac{\quad}{8} = \frac{9}{\quad} = \frac{\quad}{16} = \frac{\quad}{20}$$

18. Simplify:  $\frac{5}{7} \times \frac{7}{14} \div \frac{2}{7}$

= \_\_\_\_\_

19. Draw lines and shade  $\frac{1}{4}$  of the diagram in figure 3.

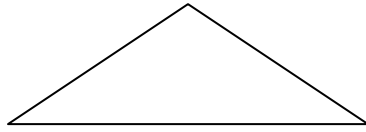


Figure 3

20. Simplify:  $\frac{3}{4} \times \frac{4}{18} \div \frac{2}{6}$

= \_\_\_\_\_

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