

Fractions, Fractions, Fractions**Multiple Choice***Identify the choice that best completes the statement or answers the question.*

1. Which number is divisible by 5?

- a. 113
- b. 60
- c. 137
- d. 114

2. Which number is divisible by 3?

- a. 94
- b. 53
- c. 73
- d. 123

3. List the positive factors of 100.

- a. 1, 2, 4, 5, 10, 20, 25, 50, 100
- b. 1, 2, 4, 5, 8, 10, 12, 20, 25, 50, 100
- c. 1, 2, 4, 5, 20, 25, 50, 100
- d. 2, 4, 5, 10, 20, 25, 50

4. Which fraction is equivalent to $\frac{35}{21}$?

- a. $\frac{5}{3}$
- b. $\frac{7}{3}$
- c. $\frac{3}{5}$
- d. $1\frac{2}{7}$

5. Which fraction is *not* equivalent to $\frac{8}{10}$?

- a. $\frac{4}{5}$
- b. $\frac{16}{20}$
- c. $-\frac{8}{10}$
- d. $-\frac{8}{-10}$

6. Write $\frac{8}{74}$ in simplest form.

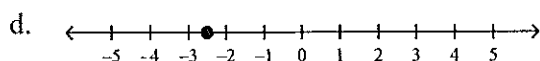
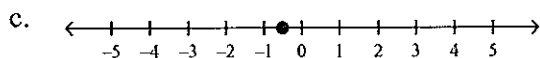
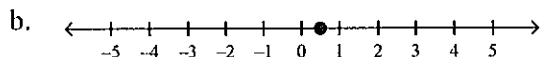
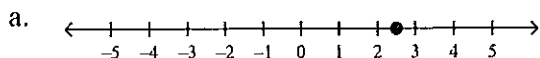
- a. $\frac{8}{37}$
- b. $\frac{4}{74}$
- c. $\frac{4}{37}$
- d. $\frac{8}{74}$

7. Which fraction is *not* equivalent to $-\frac{5}{8}$?

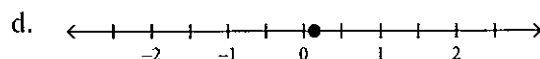
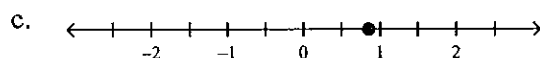
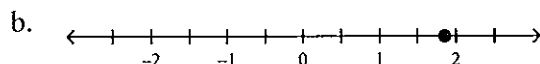
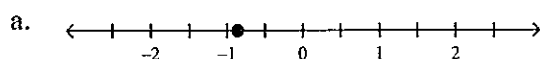
- a. $\frac{-5}{8}$
- b. $\frac{5}{-8}$
- c. $\frac{-5}{-8}$
- d. all of these

Graph on a number line.

8. $2\frac{1}{2}$



9. $-\frac{6}{7}$



Find the sum or difference. Simplify if possible.

10. $\frac{4}{12} + \frac{9}{12}$

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

b. $\frac{13}{144}$

c. $\frac{13}{24}$

d. $1\frac{1}{12}$

Simplify.

11. $\frac{7}{13} + \frac{16}{13} - \frac{8}{13}$

a. $2\frac{5}{13}$

b. $-1\frac{2}{13}$

c. $1\frac{2}{13}$

d. $-1\frac{4}{13}$

12. $\frac{1}{4} + \frac{5}{6} + \frac{3}{8}$

a. $1\frac{11}{24}$

b. $1\frac{5}{24}$

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

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

13. $\frac{2}{3} + \frac{1}{11}$

a. $\frac{1}{11}$

b. $\frac{25}{33}$

c. 2

d. $\frac{3}{14}$

14. $-\frac{17}{9} - \frac{14}{8}$

a. $-\frac{31}{72}$

b. $-3\frac{23}{36}$

c. $-1\frac{14}{17}$

d. 238

15. $8\frac{1}{2} + 4\frac{1}{2}$

a. $12\frac{1}{2}$

b. $12\frac{1}{4}$

c. 13

d. 14

16. $13\frac{1}{3} - 7\frac{7}{9}$

a. $5\frac{5}{9}$

b. $6\frac{8}{27}$

c. $6\frac{2}{3}$

d. 7

17. $4\frac{7}{8} + \left(-9\frac{1}{2}\right)$

a. $-4\frac{5}{8}$

b. 14

c. $-4\frac{1}{5}$

d. $-4\frac{1}{2}$

18. $5\frac{1}{3} + \left(-3\frac{9}{18}\right)$

a. $1\frac{5}{6}$

b. $2\frac{8}{15}$

c. $3\frac{8}{13}$

d. $8\frac{5}{6}$

19. $\frac{7}{24} - \frac{15}{90}$

a. $-\frac{8}{66}$

b. $-\frac{4}{33}$

c. $-\frac{1}{8}$

d. $\frac{1}{8}$

20. Find the missing digit to make 18,59_ divisible by 9.

a. 6

b. 3

c. 4

d. 1