

Placement Test Review Sheets

For

Basic Math

Basic Algebra

Short Essay

Basic Math Review

1) A barrel containing 35 gallons of wine is used to fill a number of bottles, each of which holds $\frac{5}{7}$ gallon. What is the greatest number of containers that can be filled?

- a. 49
- b. 25
- c. 10
- d. 5

2) Which of these is the closest approximation to $584,213 \times 1.265$?

- a. 8
- b. 80
- c. 800
- d. 8000

3) How many 12-jar cases can be filled with 1512 jars of spaghetti sauce?

- a. 126
- b. 1.26
- c. .7
- d. 18144

4) Determine whether 59 is prime, composite or neither.

- a. prime
- b. composite
- c. neither

5) $15 \div \frac{5}{8} =$

- a. $\frac{1}{24}$
- b. $\frac{8}{75}$
- c. 24
- d. $\frac{75}{8}$



6) $\frac{8}{\frac{1}{2}} =$

a. 16

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

c. $\frac{1}{16}$

d. 4

7) $\frac{1}{3} \times \frac{18}{5} =$

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

b. $\frac{54}{5}$

c. $\frac{5}{54}$

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

8) A family spent $\frac{1}{5}$ of their money on food and $\frac{1}{4}$ of their money on rent. What fraction of their money did they have left?

a. $\frac{2}{9}$

b. $\frac{9}{20}$

c. $\frac{7}{9}$

d. $\frac{11}{20}$

9) $\frac{1}{3} + \frac{4}{15} - \frac{1}{2} =$

a. $\frac{5}{18}$

b. $\frac{5}{15}$

c. $\frac{1}{3}$

d. $\frac{1}{10}$

10) $\frac{4}{3} - \frac{5}{12} =$

a. 11

b. 1

c. $\frac{1}{9}$

d. $\frac{11}{12}$

11) $8\frac{11}{12} + 2\frac{3}{5} =$

a. $11\frac{14}{17}$

b. $11\frac{31}{60}$

c. $10\frac{31}{60}$

d. $10\frac{14}{17}$

12) $\frac{9}{10} - \frac{1}{4} - \frac{2}{5} =$

a. $\frac{21}{20}$

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

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

d. 6

13) On a certain test, 192 students had a grade of B. If this is 60 percent of the class, how many students are in the class?

a. 480

b. 320

c. 115

d. 200

14) If $\frac{2}{3} + y = \frac{8}{9}$, then $y =$

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

b. $\frac{2}{9}$

c. 1

d. 0

15) $6\frac{2}{3} \times 3\frac{1}{4} =$

a. $21\frac{2}{3}$

b. $18\frac{1}{6}$

c. $9\frac{1}{6}$

d. $9\frac{11}{12}$

16) $3 \times 4\frac{8}{15} =$

a. $13\frac{3}{5}$

b. $7\frac{8}{15}$

c. $12\frac{8}{15}$

d. 20

17) $\frac{3}{4} \div 12 =$

a. 9

b. $\frac{1}{9}$

c. $\frac{1}{16}$

d. 16

18) $49.126 + 1.2 + 5.94 =$

- a. 497.32
- b. 49.732
- c. 497.22
- d. 56.266

19) $\frac{7}{100} + 0.326 =$

- a. 0.3867
- b. 0.333
- c. 0.396
- d. 7.326

20) $13.5 - 9.42 + 5 =$

- a. 9.18
- b. 9.08
- c. 9.02
- d. 4.13

21) $18 \overline{)716.4}$

- a. 39.8
- b. 3.98
- c. 0.398
- d. 398

22) $24 \overline{)48.072}$

- a. 20.03
- b. 2.3
- c. 2.033
- d. 2.003

23) Convert from cents to dollars: 3619¢

- a. 361.9
- b. 0.3619
- c. 36 19

d. 3.619

24) $0.18 \overline{)6.48}$

- a. 360
- b. 3.6
- c. 0.36
- d. 36

25) $\frac{9}{0.05}$

- a. 1800
- b. 180
- c. 18
- d. 1.8

26) What is 72 divided by 3.6

- a. 20
- b. 0.005
- c. 0.05
- d. 2

27) $\frac{5.6}{0.023}$ is closest to:

- a. 2
- b. 20
- c. 200
- d. 2000

28) $1 \div .1 =$

- a. 0.1
- b. 0.01
- c. 10
- d. 100

29) How many jackets can be cut from a 56 -yard length of material if each jacket requires $\frac{7}{8}$ yard of material?

- a. 64
- b. 49
- c. 7
- d. 8

30) A 24 ounce carton of cottage cheese costs \$1.20. What is the unit price in cents per ounce?

- a. 20
- b. 0.05
- c. 5
- d. 0.20

31) If $\frac{5}{4} = \frac{3\frac{3}{4}}{x}$, then $x =$

- a. $18\frac{3}{4}$
- b. $\frac{75}{16}$
- c. $\frac{1}{3}$
- d. 3

32) What is 40 percent of 80?

- a. 0.05
- b. 32
- c. 200
- d. 20

33) 15 is what percent of 40?

- a. 37.5
- b. $2\frac{2}{3}$
- c. 6
- d. 3.75

- 34) Last year a bowling ball cost \$36. Now the price is \$54. By what percent was the price increased?
- a. 150%
 - b. $66\frac{2}{3}\%$
 - c. 50%
 - d. $33\frac{1}{3}\%$
- 35) The price of bananas increased 60%. The original price was \$0.25 per pound. What is the new price?
- a. \$0.15
 - b. \$0.40
 - c. \$0.60
 - d. \$0.55
- 36) 14 is 7% of what number?
- a. 50
 - b. 200
 - c. 0.98
 - d. 2
- 37) On 5 days, Bill flew 476 miles, 850 miles, 925 miles, 650 miles and 550 miles. What was his average distance per day?
- a. 600
 - b. 690
 - c. 3450
 - d. 3350
- 38) $(16.7)^2$ is approximately
- a. 40
 - b. 300
 - c. 80

d. 100

39) Which of the following is closest to $\sqrt{129}$?

- a. 11
- b. 10
- c. 64
- d. 65

40) $3\left(\frac{1}{4} - \frac{1}{5}\right) =$

- a. $\frac{3}{20}$
- b. $\frac{1}{20}$
- c. $1\frac{7}{20}$
- d. $\frac{1}{3}$

41) $(5.2)(7.028)$

- a. 365.456
- b. 5.3256
- c. 36.5456
- d. 35.2486

42) $7\frac{1}{3} - 2\frac{4}{7} =$

- a. $4\frac{5}{21}$
- b. $4\frac{16}{21}$
- c. $5\frac{5}{21}$
- d. $5\frac{3}{4}$

43) $\sqrt{0.000121} =$

- a. 0.000011
- b. 0.0011
- c. 0.011
- d. 0.11

- 1. a
- 2. c
- 3. a
- 4. a
- 5. c
- 6. a
- 7. d
- 8. d
- 9. d
- 10. d
- 11. b

- 12. c
- 13. b
- 14. b
- 15. a
- 16. a
- 17. c
- 18. d
- 19. c
- 20. b
- 21. a
- 22. d

- 23. c
- 24. d
- 25. b
- 26. a
- 27. c
- 28. c
- 29. a
- 30. c
- 31. d
- 32. b
- 33. a

- 34. c
- 35. b
- 36. b
- 37. b
- 38. b
- 39. a
- 40. a
- 41. c
- 42. b
- 43. c

