

DBDA-NA

This test is made up of short number problems. Each problem is followed by five choices. You are to choose the correct answer and mark it on your booklet. Work as *quickly* and *accurately* as you can. Two examples follow. Do them for practice. Do any figuring on the ROUGH WORK box given below. Mark the correct answers on this booklet, by putting a 'X' mark in the box given under each choice.

EXAMPLE X:
 ADD: 47 a. 231 b. 241 c. 153 d. 261 e. 243
 194

EXAMPLE Y:
 $\frac{1}{2} + \frac{1}{4} =$ a. $\frac{1}{8}$ b. $\frac{3}{5}$ c. $\frac{3}{4}$ d. $\frac{1}{3}$ e. $\frac{1}{2}$

For EXAMPLE X, the correct answer is *b. 241*, so you should fill in the box *b* on Your this booklet for EXAMPLE X. For EXAMPLE Y, the correct answer is *c. $\frac{3}{4}$* so you should fill in the box *c* with a 'X'.

Work as *quickly as you can* to finish as many problems as possible. You will have *5 minutes 30 seconds*. If you are not sure of the right answer for a problem, mark the choice that is your best guess.

When you have finished the problems, please *STOP*. Do *not* turn to other pages.

ROUGH WORK

PLEASE WAIT FOR THE INSTRUCTION TO GO FURTHER

1. Add:
$$\begin{array}{r} 41 \\ 57 \\ 88 \\ 34 \\ \hline \end{array}$$
 a. 230 b. 218 c. 200 d. 220 e. 219
2. Subtract:
$$\begin{array}{r} 967 \\ 435 \\ \hline \end{array}$$
 a. 552 b. 532 c. 522 d. 531 e. 523
3. Multiply:
$$\begin{array}{r} 974 \\ 3 \\ \hline \end{array}$$
 a. 2822 b. 2582 c. 2922 d. 2893 e. 2904
4. Divide: $7\sqrt{2226}$ a. 318 b. 316 c. 324 d. 326 e. 213
5. Multiply:
$$\begin{array}{r} 253 \\ 20 \\ \hline \end{array}$$
 a. 5050 b. 5060 c. 4760 d. 4750 e. 4050
6. Subtract:
$$\begin{array}{r} 952 \\ 727 \\ \hline \end{array}$$
 a. 224 b. 234 c. 235 d. 225 e. 325
7. Add:
$$\begin{array}{r} 9\frac{3}{5} \\ 6\frac{1}{2} \\ \hline \end{array}$$
 a. $16\frac{1}{10}$ b. $16\frac{1}{5}$ c. $15\frac{4}{5}$ d. $15\frac{1}{10}$ e. $15\frac{9}{10}$
8. Divide: $4.8\sqrt{7.20}$ a. 1.2 b. 15.0 c. 12.0 d. 0.12 e. 1.5
9. Multiply:
$$\begin{array}{r} 4.52 \\ 5 \\ \hline \end{array}$$
 a. 22.60 b. 22.50 c. 22.40 d. 22.26 e. 26.10
10. Divide: $15\sqrt{1050}$ a. 30 b. 32 c. 70 d. 72 e. 60

11. $\frac{2 \times (25 - 19)}{9} =$ _____ a. $\frac{2}{3}$ b. $1\frac{1}{3}$ c. $1\frac{1}{9}$ d. $1\frac{7}{9}$ e. $2\frac{2}{3}$
12. Which one of the numbers below could replace X in both places in:
 $4 + X = 6 - X$? a. 4 b. 3 c. 2 d. 1 e. -2
13. $\frac{7}{8} \times \left(\frac{7}{10} - \frac{3}{5}\right) =$ _____ a. $\frac{39}{40}$ b. $\frac{7}{40}$ c. $1\frac{11}{80}$ d. $2\frac{11}{40}$ e. $\frac{7}{80}$
14. Subtract: $35\frac{3}{4}$
 $28\frac{2}{3}$ _____ a. $7\frac{1}{6}$ b. $7\frac{5}{6}$ c. $7\frac{1}{12}$ d. $6\frac{11}{12}$ e. $6\frac{5}{6}$
15. 125% of 32 = _____ a. 6 b. 12 c. 36 d. 52 e. 40
16. $\sqrt{196}$ _____ a. 14 b. 16 c. 24 d. 36 e. 98
17. $\frac{5}{7}$ of 245 = _____ a. 165 b. 175 c. 185 d. 207 e. 343
18. $\left(\frac{1}{2} - \frac{1}{3}\right) + \frac{3}{4} =$ _____ a. $\frac{1}{3}$ b. $\frac{1}{8}$ c. $\frac{2}{9}$ d. $1\frac{1}{9}$ e. $\frac{5}{8}$
19. $\left(\frac{1}{2} + \frac{1}{3}\right)^2 =$ _____ a. $\frac{1}{8}$ b. $\frac{81}{256}$ c. $\frac{17}{64}$ d. $\frac{25}{64}$ e. $1\frac{1}{4}$
20. $\left(\frac{2}{3} \times \frac{5}{6}\right) + \frac{1}{3} =$ _____ a. $1\frac{5}{6}$ b. $\frac{5}{27}$ c. $1\frac{1}{9}$ d. $\frac{8}{9}$ e. $\frac{7}{9}$

STOP. PUT YOUR PENCIL DOWN. DO NOT TURN BACK TO MAKE ANY CORRECTIONS.

