1. $\frac{1}{4} \times \frac{3}{4} =$

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

B. $\frac{3}{16}$

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

D. $\frac{3}{8}$

E. None of the above

2. $\frac{3}{8} \times \frac{4}{5} =$

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

B. $\frac{2}{5}$

C. $\frac{3}{10}$

D. $\frac{6}{20}$

E. None of the above

3. $\frac{1}{5} \times \frac{3}{7} \times \frac{7}{9} =$

A. $\frac{1}{15}$

B. $\frac{5}{22}$

C. $\frac{11}{21}$

D. 15

E. None of the above

4. $\frac{7}{25} \times \frac{15}{28} =$

A. $\frac{3}{20}$

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

C. $2\frac{1}{4}$

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

E. None of the above

5. $12 \times \frac{2}{5} =$

A. $2\frac{4}{5}$

B. $4\frac{4}{5}$

C. $\frac{4}{5}$

D. 30

E. None of the above

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

A. $6\frac{1}{4}$

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

C. 6

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

E. None of the above

7. $\frac{3}{4} \times 4\frac{1}{2} =$

A. $4\frac{3}{8}$

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

C. $4\frac{1}{2}$

D. 2

E. None of the above

8. $1\frac{5}{9} \times 3\frac{3}{5} =$

A. $4\frac{1}{3}$

B. $5\frac{3}{5}$

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

D. 5

E. None of the above

9. $\frac{5}{6} \div \frac{12}{21} =$

A. $\frac{10}{21}$

B. $\frac{24}{35}$

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

D. $\frac{11}{24}$

E. None of the above

10. $8 \div \frac{3}{4} =$

A. $\frac{3}{32}$

B. $10\frac{2}{3}$

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

D. 6

E. None of the above

11. $4\frac{2}{5} \div \frac{1}{5} =$

A. 22

B. $\frac{22}{25}$

C. $\frac{1}{22}$

D. $1\frac{3}{22}$

E. None of the above

12. $\frac{4}{9} \div 6 =$

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

B. $2\frac{2}{3}$

C. $\frac{2}{27}$

D. $\frac{3}{8}$

E. None of the above

13. $5\frac{5}{6} \div 4 =$

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

B. $\frac{24}{25}$

C. $\frac{3}{70}$

D. $23\frac{1}{3}$

E. None of the above

14. $5\frac{1}{2} \div 3\frac{1}{4} =$

A. $\frac{9}{22}$

B. $\frac{13}{22}$

C. $17\frac{7}{8}$

D. $\frac{8}{143}$

E. None of the above

15. $10\frac{2}{5} \div 1\frac{1}{2} =$

A. $15\frac{3}{5}$

B. $\frac{2}{15}$

C. $7\frac{1}{2}$

D. $6\frac{14}{15}$

E. None of the above

16. In a machine shop, Victor was asked to make 3 chisels, each $6\frac{7}{8}$ ″ long. What is the shortest metal bar he can use from which to cut the chisels?

A. 19 ″ B. 20″

C. 22 ″ D. 21 ″

17. What length of stock is required to make 24 bolts, each $3\frac{3}{4}$ ″ long?

A. 10 B. 20

C. 25 D. 90

18. A contractor estimated it would take 10 men $4\frac{1}{2}$ hours each and 6 more men $6\frac{3}{4}$ hours each to do a job. What are the total hours he estimated for this job?

A. 76 B. 77 $\frac{1}{4}$

C. $85\frac{1}{2}$ D. 85

19. How many $2\frac{1}{4}$ ″ pieces can be cut from a 20 ″ piece of sheet metal?

A. 7 B. 9

C. 8 D. 10

20. If $10\frac{3}{4}$ ft. of metal tubing costs $43, how much does it cost per foot?

A. $4.25 B. $4.00

C. $1.00 D. $5.00

Answer Key

1. B
2. C
3. A
4. A
5. B
6. E
7. B
8. B
9. C
10. B
11. A
12. C
13. A
14. E
15. D
16. D
17. D
18. C
19. C
20. B