



Date: \_\_\_\_\_

Mark: \_\_\_\_\_



Calculate the following.

1.  $\frac{2}{7} \times 5 =$

2.  $10 \times \frac{1}{2} =$

3.  $18 \times \frac{3}{4} =$

4.  $20 \times 1\frac{5}{12} =$

5.  $\frac{1}{3} \times \frac{5}{6} =$

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

7.  $\frac{1}{5} \times 1\frac{4}{5} =$

8.  $3\frac{1}{10} \times 1\frac{1}{4} =$

9.  $\frac{3}{4} \times \frac{5}{6} \times \frac{8}{15} =$

10.  $10 \times \frac{1}{2} \times \frac{2}{5} =$

11.  $\frac{1}{4} \times \frac{20}{21} \times \frac{7}{10} =$

12.  $\frac{1}{12} \times 15 \times 1\frac{1}{5} =$

Put a '✓' in  if the sentence is correct. Otherwise, put a 'X'.

13. 5 is the reciprocal of  $\frac{1}{5}$ .



14.  $2\frac{1}{3}$  is the reciprocal of 3.



15. The value of  $\frac{2}{3} \times 1\frac{1}{2}$  is smaller than that of  $\frac{5}{9} \times 1\frac{4}{5}$ .



16. The value of  $\frac{7}{8} \times 2\frac{2}{3}$  is equal to that of  $\frac{7}{8} \times 2 \times \frac{2}{3}$ .



17. Reciprocals of whole numbers must be smaller than 1.



18. Which of the following expressions is the best estimate of the value of  $1\frac{6}{7} \times 5\frac{2}{9}$ ?

A.  $1 \times 5$

B.  $1 \times 6$

C.  $2 \times 5$

D.  $2 \times 6$

19. If  $3\frac{3}{4} \times \diamond = 1$ , then  $\diamond =$  \_\_\_\_\_.

20. Circle the expression with the greatest result.

$$1\frac{1}{5} \times \frac{5}{8}$$

$$1\frac{2}{3} \times \frac{9}{10} \times 1\frac{1}{6}$$

$$\frac{4}{7} \times \frac{1}{5} \times 10$$

21.

$$\frac{3}{7}$$

$$\frac{2}{5}$$

$$\frac{1}{9}$$

$$1\frac{1}{5}$$

Choose appropriate fractions from the above number cards to fill the boxes below to make the expression correct.

$$1\frac{1}{4} \times \boxed{\phantom{\frac{3}{7}}} = \frac{5}{12} \times \boxed{\phantom{\frac{2}{5}}}$$

22. It is given that  $\diamond \times \heartsuit = \frac{3}{20}$ . What is the value of  $\diamond \times \heartsuit$ ?

Answer: \_\_\_\_\_

23. What is the value of  $\frac{6}{12} \times \frac{6}{9} \times \frac{2}{9}$ ?

A. 2

B.  $\frac{6}{9}$

C.  $\frac{9}{6}$

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

### Brain Quest



Detailed tips

What is the value of  $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \dots \times \frac{98}{99}$ ?

Answer: \_\_\_\_\_