Name _____ Date _____

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Questions 1-3: Multiply the multi-digit numbers.

1.

$$\begin{array}{r} 327 \\ \times\ \ 6 \\ \hline \end{array}$$

Answer: _____

2.

$$\begin{array}{r} 5,274 \\ \times\ \ \ \ 3 \\ \hline \end{array}$$

Answer: _____

3.

$$\begin{array}{r} 75 \\ \times\ 13 \\ \hline \end{array}$$

Answer: _____

Please stop, put your pencil down and wait for the next directions.

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(continued)

Questions 4-6: Multiply the multi-digit numbers.

4.

$$\begin{array}{r} 3,519 \\ \times \quad 5 \\ \hline \end{array}$$

Answer: _____

5.

$$\begin{array}{r} 62 \\ \times 34 \\ \hline \end{array}$$

Answer: _____

6.

$$\begin{array}{r} 527 \\ \times 13 \\ \hline \end{array}$$

Answer: _____

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(continued)

Questions 7-9: Multiply the multi-digit numbers. **(Note: It is possible to have a remainder.)**

7.

$7\overline{)30}$

Answer: _____

8.

$7\overline{)602}$

Answer: _____

9.

$5\overline{)9{,}130}$

Answer: _____

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(continued)

Questions 10-12: Divide the multi-digit numbers.

10.

$5\overline{)2,285}$

Answer: _____

11.

$4\overline{)9,652}$

Answer: _____

12.

$15\overline{)2,760}$

Answer: _____

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(continued)

Questions 13-15: Evaluate the expression.

13.

$$6 \times (3 + 4)$$

Answer: _____

14.

$$9 - (4 - 3)$$

Answer: _____

15.

$$(7 - 3) \times (2 + 6)$$

Answer: _____

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(continued)

Questions 16-18: Compare the two fractions. **(<, >, =)**

16.

$$\frac{2}{3} \quad _____ \quad \frac{3}{8}$$

Answer: _____

17.

$$\frac{2}{5} \quad _____ \quad \frac{8}{20}$$

Answer: _____

18.

$$\frac{3}{7} \quad _____ \quad \frac{4}{9}$$

Answer: _____

STOP

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(continued)

Questions 19-21: Find equal values of the mixed number and improper fraction .

19. The mixed number $4\frac{1}{2}$ is equivalent to which expression?

- ○ $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
- ○ $4 \times \frac{1}{2}$
- ○ $2 + \frac{1}{4}$
- ○ $\frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{1}{2}$

20. The mixed number $2\frac{3}{4}$ is equivalent to which fraction?

- ○ $\frac{11}{4}$
- ○ $\frac{11}{3}$
- ○ $\frac{6}{4}$
- ○ $\frac{9}{4}$

21. The improper fraction $\frac{14}{3}$ is equivalent to which mixed number or fraction?

- ○ $\frac{3}{14}$
- ○ $4\frac{1}{3}$
- ○ $4\frac{2}{3}$
- ○ $3\frac{2}{3}$

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(continued)

Questions 22-24: Add and subtract the mixed numbers.

22.

$$5\ \frac{3}{4}$$
$$+\ 2\ \frac{2}{4}$$

Answer: _____

23.

$$6\ \frac{2}{3}$$
$$-\ 4\ \frac{1}{3}$$

Answer: _____

24.

$$7\ \frac{2}{5}$$
$$-\ 2\ \frac{4}{5}$$

Answer: _____

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Questions 25-27: Multiply the fraction and whole number.

25. $\frac{2}{3} \times 4$ is equivalent to which expression?

- ○ $\frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3}$
- ○ $4 + \frac{2}{3}$
- ○ $\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$
- ○ $\frac{2}{3} \times \frac{1}{4}$

26. Multiply:

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

- ○ $\frac{5}{4}$
- ○ $\frac{4}{5}$
- ○ $\frac{1}{20}$
- ○ $\frac{20}{1}$

27. Multiply:

$$3 \times \frac{4}{5}$$

- ○ $\frac{4}{15}$
- ○ $\frac{12}{5}$
- ○ $\frac{12}{15}$
- ○ $\frac{15}{4}$

STOP

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Questions 28-30: Add and subtract the mixed numbers.

28.

$$4\frac{3}{5} + 3\frac{1}{2}$$

Answer: _____

29.

$$8 - 2\frac{1}{6}$$

Answer: _____

30.

$$6\frac{1}{5} - 1\frac{2}{3}$$

Answer: _____

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Questions 31-33: Multiply the fractions.

31.

$$\frac{1}{5} \times \frac{2}{3}$$

Answer: _____

32.

$$\frac{6}{7} \times \frac{2}{5}$$

Answer: _____

33.

$$\frac{2}{5} \times \frac{5}{6}$$

Answer: _____

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Questions 34-36: Divide the fractions by whole numbers.

34.

$$\frac{1}{6} \div 3$$

Answer: _____

35.

$$\frac{1}{9} \div 5$$

Answer: _____

36.

$$\frac{1}{8} \div 7$$

Answer: _____

STOP

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Questions 37-39: Write the answer to each division problem.

37.

$$11 \div \frac{1}{3}$$

Answer: _____

38.

$$5 \div \frac{1}{4}$$

Answer: _____

39.

$$9 \div \frac{1}{6}$$

Answer: _____

STOP

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