



Name \_\_\_\_\_ Date \_\_\_\_\_

## 7<sup>th</sup> Grade Tier 3 Screener - Fall

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

1.

$$\begin{array}{r} 396 \\ \times 4 \\ \hline \end{array}$$

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

2.

$$\begin{array}{r} 3572 \\ \times 6 \\ \hline \end{array}$$

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

3.

$$\begin{array}{r} 64 \\ \times 13 \\ \hline \end{array}$$

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



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

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

4.

$$\begin{array}{r} 3628 \\ \times \quad 4 \\ \hline \end{array}$$

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

5.

$$\begin{array}{r} 57 \\ \times 26 \\ \hline \end{array}$$

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

6.

$$\begin{array}{r} 724 \\ \times 15 \\ \hline \end{array}$$

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



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

7.

$$4 \overline{)29}$$

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

8.

$$7 \overline{)406}$$

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

9.

$$5 \overline{)8,710}$$

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



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

**10.**

$$6 \overline{)2,304}$$

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

**11.**

$$3 \overline{)7,551}$$

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

**12.**

$$14 \overline{)2,492}$$

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



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and wait for the next directions.



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Questions 13-15: Evaluate the expression.

**13.**

$$3 \times (2 + 5)$$

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

**14.**

$$8 - (4 - 1)$$

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

**15.**

$$(6 - 2) \times (3 + 4)$$

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



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

16.

$$\frac{3}{5} \quad \underline{\hspace{1cm}} \quad \frac{4}{9}$$

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

17.

$$\frac{2}{3} \quad \underline{\hspace{1cm}} \quad \frac{6}{9}$$

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

18.

$$\frac{3}{4} \quad \underline{\hspace{1cm}} \quad \frac{5}{7}$$

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



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

**19.** The mixed number  $4\frac{2}{3}$  is equivalent to which expression?

$4 \times \frac{2}{3}$

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

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

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

**20.** The mixed number  $3\frac{4}{5}$  is equivalent to which fraction?

$\frac{19}{5}$

$\frac{19}{4}$

$\frac{12}{5}$

$\frac{11}{4}$

**21.** The improper fraction  $\frac{9}{4}$  is equivalent to which mixed number or fraction?

$1\frac{1}{4}$

$1\frac{2}{4}$

$2\frac{1}{4}$

$\frac{4}{9}$



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

**22.**

$$\begin{array}{r} 4 \frac{2}{3} \\ + 1 \frac{2}{3} \\ \hline \end{array}$$

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

**23.**

$$\begin{array}{r} 5 \frac{4}{5} \\ - 3 \frac{1}{5} \\ \hline \end{array}$$

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

**24.**

$$\begin{array}{r} 4 \frac{2}{5} \\ - 2 \frac{3}{5} \\ \hline \end{array}$$

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



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

**25.**  $\frac{1}{3} \times 4$  is equivalent to which expression?

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

$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

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

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

**26.** Multiply:

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

$\frac{1}{12}$

$\frac{12}{1}$

$\frac{3}{4}$

$\frac{4}{3}$

**27.** Multiply:

$$4 \times \frac{5}{6}$$

$\frac{20}{6}$

$\frac{5}{24}$

$\frac{24}{5}$

$\frac{20}{24}$



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

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

**28.**

$$\begin{array}{r} 2\frac{3}{4} \\ + 1\frac{3}{5} \\ \hline \end{array}$$

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

**29.**

$$\begin{array}{r} 7 \\ - 2\frac{3}{5} \\ \hline \end{array}$$

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

**30.**

$$\begin{array}{r} 8\frac{2}{5} \\ - 3\frac{1}{2} \\ \hline \end{array}$$

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



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Questions 31-33: Multiply the fractions.

**31.**

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

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

**32.**

$$\frac{7}{8} \times \frac{3}{5}$$

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

**33.**

$$\frac{3}{4} \times \frac{2}{7}$$

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



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



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

34.

$$\frac{1}{9} \div 3$$

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

35.

$$\frac{1}{4} \div 8$$

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

36.

$$\frac{1}{10} \div 2$$

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



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

37.

$$6 \div \frac{1}{4}$$

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

38.

$$8 \div \frac{1}{2}$$

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

39.

$$7 \div \frac{1}{4}$$

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



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