


7th Grade Tier 3 Screener - Fall

Answer Key

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

<p>1.</p> $\begin{array}{r} 396 \\ \times 4 \\ \hline \end{array}$ <p style="text-align: right;">Answer: 1584</p>	<p>2.</p> $\begin{array}{r} 3572 \\ \times 6 \\ \hline \end{array}$ <p style="text-align: right;">Answer: 21432</p>
<p>3.</p> $\begin{array}{r} 64 \\ \times 13 \\ \hline \end{array}$ <p style="text-align: right;">Answer: 832</p>	 <p>Please stop, put your pencil down and wait for the next directions.</p>

7th Grade Tier 3 Screener - Fall

(continued)

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

4.

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

Answer: 14512

5.

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

Answer: 1482

6.

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

Answer: 10860



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

7th Grade Tier 3 Screener - Fall

(continued)

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

7.

$$4 \overline{)29}$$

Answer: 7 R1

8.

$$7 \overline{)406}$$

Answer: 58

9.

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

Answer: 1742



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

7th Grade Tier 3 Screener - Fall

(continued)

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

10.

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

Answer: 384

11.

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

Answer: 2517

12.

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

Answer: 178



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



7th Grade Tier 3 Screener - Fall

(continued)

Questions 13-15: Evaluate the expression.

13.

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

Answer: 21

14.

$$8 - (4 - 1)$$

Answer: 5

15.

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

Answer: 28



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



7th Grade Tier 3 Screener - Fall

(continued)

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: >



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

7th Grade Tier 3 Screener - Fall

(continued)

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?

$1\frac{1}{4}$

$1\frac{2}{4}$

$2\frac{1}{4}$

$\frac{4}{9}$



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

7th Grade Tier 3 Screener - Fall

(continued)

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

23.

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

Answer: 2 $\frac{3}{5}$

24.

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

Answer: 1 $\frac{4}{5}$



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

7th Grade Tier 3 Screener - Fall

(continued)

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.

7th Grade Tier 3 Screener - Fall

(continued)

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: 4 $\frac{7}{20}$

29.

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

Answer: 4 $\frac{2}{5}$

30.

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

Answer: 4 $\frac{9}{10}$



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

7th Grade Tier 3 Screener - Fall

(continued)

Questions 31-33: Multiply the fractions.

31.

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

Answer: $\frac{2}{15}$

32.

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

Answer: $\frac{21}{40}$

33.

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

Answer: $\frac{3}{14}$



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



7th Grade Tier 3 Screener - Fall

(continued)

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

34.

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

Answer: $\frac{1}{27}$

35.

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

Answer: $\frac{1}{32}$

36.

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

Answer: $\frac{1}{20}$



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



7th Grade Tier 3 Screener - Fall

(continued)

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

37.

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

Answer: 24

38.

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

Answer: 16

39.

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

Answer: 28/1



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