wame Answer Key one $\qquad$

## $8^{\text {th }}$ Grade Tier 3 Screener - Winter

Questions 1-3: Evaluate the expression.

| 1. | $4 \times(3+5)$ | Answer: $\qquad$ |
| :---: | :---: | :---: |
| 2. | $10-(5-2)$ |  |
|  |  | Answer: $\qquad$ |
| 3. | $(8-2) \times(5+3)$ |  |
|  |  | Answer: $\qquad$ |

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.

$\qquad$

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(continued)

Questions 7-9: Divide the multi-digit numbers.
7.
$\qquad$

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(continued)

Questions 10-12: Add and subtract the mixed numbers.

| 10. $\begin{array}{r} 4 \frac{1}{3} \\ +2 \frac{3}{4} \end{array}$ | $7 \frac{1}{12}$ | 11. $\begin{gathered} 6 \\ -2 \frac{3}{4} \end{gathered}$ <br> $\times 3 \frac{1}{4}$ |
| :---: | :---: | :---: |
| 12. $\begin{array}{r} 5 \frac{1}{2} \\ -1 \frac{2}{3} \end{array}$ | Answer: $\qquad$ | Please stop, put your pencil down and wait for the next directions. |

$\qquad$

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(continued)

Questions 13-15: Multiply the fractions.



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

Questions 16-18: Divide the fractions by whole numbers.



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(continued)

Questions 19-21: Write the answer to each division problem.

| 19. | $10 \div \frac{1}{2}$ |  |
| :---: | :---: | :---: |
| 20. | $6 \div \frac{1}{3}$ | Answer: |
| 21. | $4 \div \frac{1}{5}$ | Answer: |

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

Questions 22-24: Multiply and divide fractions.

| 22. | $\frac{2}{5} \times \frac{3}{4}$ |  |
| :---: | :---: | :---: |
| 23. | $\frac{2}{3} \div \frac{4}{5}$ | $\text { Answer: } \frac{5}{6}$ |
| 24. | $\frac{5}{6} \div \frac{1}{3}$ | $\text { Answer: } \quad 5$ |

## STOP

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

Questions 25-27: Write the ordered pair for the point.

$\qquad$

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(continued)

Questions 28-30: Find the equivalent expression.
28.

The product of $x$ and 6 , decreased by 2

- $6 x-2$
○ $6(x-2)$
- $2 x-6$
○ $x+6-2$

29. 

$$
3 \text { more than } 5 \text { times } x
$$

- $3 x+5$
- $5 x+3$
- $5(x+3)$
- $3(5+x)$

30. 

4 times the quantity of $x$ minus 6

○ $6 x-4$
○ $6(x-4)$
○ $4 x-6$
○ $4(x-6)$
$\qquad$

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(continued)

Questions 31-33: Evaluate the expression for the given value of $x$.
31. Evaluate $5 x+2$ for $x=3$.
32. Evaluate $x^{2}+6$ for $x=4$.
33. Evaluate $13-2 x$ for $x=3$.
$\qquad$

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(continued)

Questions 34-36: Find the equivalent expression.

35.

$$
4 x+3+2 x
$$



STOP
Please stop, put your pencil down and wait for the next directions.
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(continued)

Questions 37-39: Solve the equation.
37.

$$
x+5=10
$$

$$
x=5
$$

38. 

$$
24=4 x
$$


39.

$$
\frac{1}{4} x=8
$$

$$
x=32
$$



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