6th Grade Tier 3 Screener - Fall

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

1.

$$372 + 214$$

Answer: _____

2.

$$637 + 156 = \underline{\quad\quad}$$

Answer: _____

3.

$$168 + 395$$

Answer: _____

STOP

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

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

4.

$$\begin{array}{r} 6\,0\,0 \\ -\,1\,2\,8 \\ \hline \end{array}$$

Answer: _____

5.

$$4\,3\,8\ -\ 1\,6\,3\ =\ \underline{}$$

Answer: _____

6.

$$\begin{array}{r} 8\,3\,5 \\ -\,3\,6\,7 \\ \hline \end{array}$$

Answer: _____

STOP

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

Questions 7-9: Multiply the multi-digit numbers.

7.

```
  3 9 6
x     4
```

Answer: _____

8.

```
  3 5 7 2
x       6
```

Answer: _____

9.

```
    6 4
x 1 3
```

Answer: _____

STOP

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

Number Correct = _____

Questions 10-12: Divide the multi-digit numbers. **(Note: It is possible to have a remainder.)**

10.

$$4\overline{)29}$$

Answer: _____

11.

$$7\overline{)406}$$

Answer: _____

12.

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

Answer: _____

STOP

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

Number Correct = _____

Questions 13-15: Find the fraction.

13. Which fraction has a denominator of 6 and a numerator of 4?
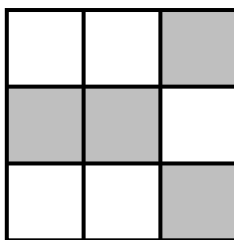
    ○ $\dfrac{4}{10}$ ○ $\dfrac{6}{10}$ ○ $\dfrac{6}{4}$ ○ $\dfrac{4}{6}$

14. Each section of the square below is the same size.
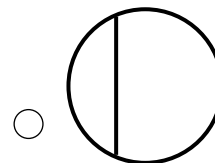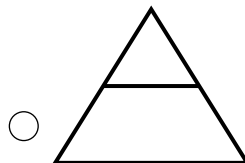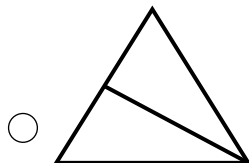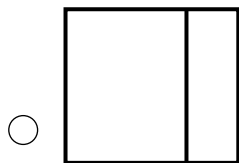What fractional part of the square appears to be shaded?

    ○ $\dfrac{4}{9}$ ○ $\dfrac{5}{9}$ ○ $\dfrac{4}{5}$ ○ $\dfrac{5}{4}$

15. Which diagram appears to show fractional parts of $\dfrac{1}{2}$?
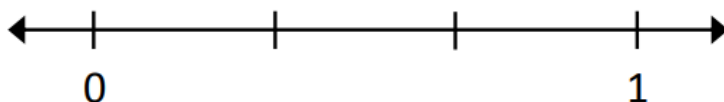
STOP

Please stop, put your pencil down and wait for the next directions.
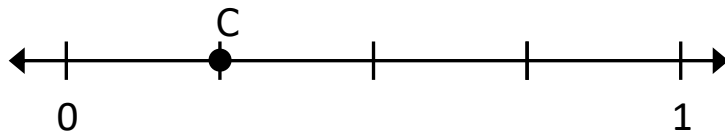
Number Correct = _____

Questions 16-18: Find the fractional parts on the number line.

16. What is the name of each equal part between 0 and 1?

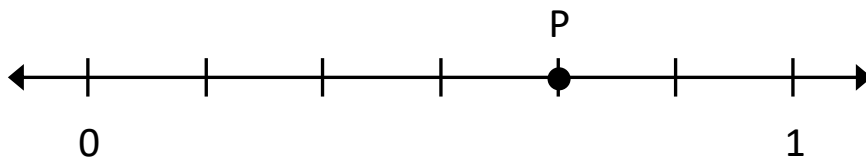○ Halves   ○ Thirds   ○ Fourths   ○ Fifths

17. What fraction is shown by point C?

○ $\dfrac{2}{4}$ ○ $\dfrac{1}{4}$ ○ $\dfrac{1}{5}$ ○ $\dfrac{2}{5}$

18. What fraction is shown by point P?

○ $\dfrac{4}{7}$ ○ $\dfrac{5}{7}$ ○ $\dfrac{5}{6}$ ○ $\dfrac{4}{6}$

STOP

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

Number Correct = _____

Questions 19-21: Compare the fractions. **(>, <, =)**

19.

$$\frac{2}{5} \underline{\hspace{2cm}} \frac{4}{5}$$

Answer: _____

20.

$$\frac{1}{2} \underline{\hspace{2cm}} \frac{1}{10}$$

Answer: _____

21.

$$\frac{3}{5} \underline{\hspace{2cm}} \frac{3}{4}$$

Answer: _____

STOP

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

Number Correct = _____

Questions 22-24: Compare the two fractions. **(<, >, =)**

22.

$$\frac{3}{5} \underline{\hspace{2cm}} \frac{4}{9}$$

Answer: _____

23.

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

Answer: _____

24.

$$\frac{3}{4} \underline{\hspace{2cm}} \frac{5}{7}$$

Answer: _____

STOP

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

Number Correct = _____

Questions 25-27: Find equal values of the mixed number and improper fraction.

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

○ $4 \times \frac{2}{3}$

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

○ $3 + \frac{2}{4}$

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

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

○ $\frac{19}{5}$

○ $\frac{19}{4}$

○ $\frac{12}{5}$

○ $\frac{11}{4}$

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

○ $1\frac{1}{4}$

○ $1\frac{2}{4}$

○ $2\frac{1}{4}$

○ $\frac{4}{9}$

STOP

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

Number Correct = _____

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

28.

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

$$+ 1 \frac{2}{3}$$
_____

Answer: _____

29.

$$5 \frac{4}{5}$$

$$- 3 \frac{1}{5}$$
_____

Answer: _____

30.

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

$$- 2 \frac{3}{5}$$
_____

Answer: _____

STOP

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

Number Correct = _____

Questions 31-33: Multiply the fraction and whole number.

31. $\frac{1}{3}$ x 4 is equivalent to which expression?

○ $\frac{1}{3}$ x $\frac{1}{4}$

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

○ 4 + $\frac{1}{3}$

○ $\frac{1}{3}$ x $\frac{1}{3}$ x $\frac{1}{3}$ x $\frac{1}{3}$

32. Multiply:

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

○ $\frac{1}{12}$ ○ $\frac{12}{1}$ ○ $\frac{3}{4}$ ○ $\frac{4}{3}$

33. Multiply:

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

○ $\frac{20}{6}$ ○ $\frac{5}{24}$ ○ $\frac{24}{5}$ ○ $\frac{20}{24}$

STOP

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

© OAISD, August 2022   **Number Correct = _____**

Questions 34: When you are told to begin, answer as many as you can in 1 minute.

6 x 4 = ____   7 x 3 = ____

7 x 0 = ____   3 x 9 = ____

8 x 6 = ____   9 x 7 = ____

2 x 4 = ____   7 x 7 = ____

9 x 6 = ____   1 x 8 = ____

5 x 10 = ____   4 x 8 = ____

9 x 5 = ____   6 x 2 = ____

STOP

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

Number Correct = _____

Questions 35: When you are told to begin, answer as many as you can in 1 minute.

$30 \div 5 =$ ____ $10 \div 2 =$ ____

$42 \div 6 =$ ____ $24 \div 3 =$ ____

$40 \div 8 =$ ____ $72 \div 9 =$ ____

$18 \div 6 =$ ____ $28 \div 4 =$ ____

$54 \div 6 =$ ____ $50 \div 10 =$ ____

$28 \div 7 =$ ____ $64 \div 8 =$ ____

$14 \div 7 =$ ____ $36 \div 4 =$ ____

STOP

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