

Cumulative 6th Grade Math Screener_{v4}

Fall	Winter (Reassess of Fall if needed)	Spring
/8	/8	/16
Benchmark 6	Benchmark 6	Benchmark 12

Student Name _____ Date _____, _____, _____
F W S

Fall

Sub - Totals	NID	M/D	FRA	M/DF	R/PR	NS	EE
Fall							
Winter							
Spring							

1. Numeral Identification (NID)

Place cards in front of child one at a time, not in numerical order.

“Read this card to me.” (check if correct; record incorrect answers)

3,270,001 _____ 66,540,400 _____ 2 ¾ _____ 4.008 _____ 21 5/8 _____

Number of correct: 5 (2 pts) 3-4 (1 pt) 0-2 (0 pts)

NID Points _____
F W S

2. Multiplication and Division (M/D)

Show card: 5×10 **“Solve this problem.”** Show card: 5×10^2 , **“Solve this problem.”** Show card: 5×10^3 , **“Solve this problem.”** If those are correct, say, **“Explain the pattern.”** ($=50$, $=500$, $=5000$; Correct pattern - You are multiplying by another 10 each time. If the student says adding a 0 each time, ask what they mean by that. You are not adding a 0 because $50+0=50$.)

Correct answers to all 3 and pattern explained correctly (2 pts)

Correct answers to all 3 but pattern not explained correctly (1 pt)

All/Some incorrect answers (0 pts)

M/D Points _____
F W S

3. Fractions (FRA)

“Asked to find $\frac{1}{2} + \frac{1}{3}$, Anthony drew the picture here and said, “1 of 2 parts, plus 1 of 3 parts = 2 of 5 parts. So the answer is $\frac{2}{5}$.” Is he correct? Why or why not?” ($=\frac{5}{6}$)

Correct (2 pts) Incorrect (0 pts)

FRA Points _____
F W S

4. Fractions (FRA)

Show card: $\frac{1}{2} + \frac{1}{5}$ **“Read this card and solve the problem.”** ($=\frac{7}{10}$)

Correct (2 pts) Incorrect (0 pts)

FRA Points _____
F W S

Spring

***Reassess Fall if needed and include fall points in spring score**

5. Multiplication and Division of Fractions (M/DF)

“Tell me a story problem that would show $2/3 \div 3/4$. Draw a visual fraction model to show the quotient.”

Correct answers to both. (2 pts)

Correct answers to parts. (1 pt)

Incorrect answers (0 pts)

M/DF Points _____
S

6. Ratios and Proportional Relationships (R/PR)

“Tell me a story problem that would explain the ratio 2:1.”

Correct (2 pts) Incorrect (0 pts)

R/PR Points _____
S

7. Number System (NS)

“Explain why $-3 > -7$.”

Correct (2 pts) Incorrect (0 pts)

NS Points _____
S

8. Expressions and Equations (EE)

“Express the calculation: ‘Subtract y from 5.’” (answer: $5 - y$)

Correct (2 pts) Incorrect (0 pts)

EE Points _____
S