

Purpose & SOL

- Students will work as a team to solve a multi-digit (addition, subtraction, decimal, etc.) math problem while relaying.
- Math 2.6, 2.7, 3.4, 4.4, 4.5c, 5.5

Materials

- Cones (1 per team)
- Math problems worksheet/packet (1 per team) – see examples at the end of this lesson – helpful to print each team's packet on a different colored paper to match their cone color.
- 1 pencil per team

Length
25 min.

Introduction

Review the rules of addition/subtracting multi-digit numbers. Be sure to review regrouping, lining up place values, and decimal points if applicable. Do a circuit warm up with 4 exercises, 30 seconds each.

Implementation

Relay

- 1) Review the rules of a relay. Have one team be the model for a practice round. Students should be in teams of 3-5 and will line up behind their assigned colored cone. They will put their problems packet and pencil a decent distance away from their cone. This is where they will relay.
- 2) On the "go" signal, the first person in line will hop, skip, jump, etc. to the packet and begin solving the first place value ONLY (example: ones). Be sure to remind to carry-over and regroup if necessary.
- 3) When the first student returns, the second student will relay to solve the next place value (example: tens).
- 4) The team will continue relaying until the problem is solved. They will stand like a star to show they're finished.
- 5) When all teams are standing like a star, send the whole team to relay to the packet and call on someone to review the answer. Have teams check their work. If they got it right, they will do 5 jumping jacks. If they got it wrong, they will do 5 squats.
- 6) Continue solving problems in this manner until time runs out.

Cool Down

Instruct students to head back to their seats and breathe and stretch.

Modifications

Use this for 2nd-5th grade, depending on what level of place value you are reviewing. This can be used for multiplication/division or decimals as well.



Addition
Multi-digit Relay

3rd Grade

A)

$$\begin{array}{r} 224 \\ + 165 \\ \hline \end{array}$$

B)

$$\begin{array}{r} 739 \\ + 58 \\ \hline \end{array}$$

C)

$$\begin{array}{r} 654 \\ + 362 \\ \hline \end{array}$$

D)

$$\begin{array}{r} 325 \\ + 68 \\ \hline \end{array}$$

E)

$$\begin{array}{r} 665 \\ + 269 \\ \hline \end{array}$$

F)

$$\begin{array}{r} 369 \\ + 73 \\ \hline \end{array}$$

G)

$$\begin{array}{r} 454 \\ + 758 \\ \hline \end{array}$$

H)

$$\begin{array}{r} 663 \\ + 568 \\ \hline \end{array}$$

Subtraction
Multi-digit Relay

3rd Grade

A)

$$\begin{array}{r} 284 \\ - 165 \\ \hline \end{array}$$

B)

$$\begin{array}{r} 739 \\ - 58 \\ \hline \end{array}$$

C)

$$\begin{array}{r} 654 \\ - 362 \\ \hline \end{array}$$

D)

$$\begin{array}{r} 325 \\ - 68 \\ \hline \end{array}$$

E)

$$\begin{array}{r} 675 \\ - 269 \\ \hline \end{array}$$

F)

$$\begin{array}{r} 369 \\ - 73 \\ \hline \end{array}$$

G)

$$\begin{array}{r} 754 \\ - 458 \\ \hline \end{array}$$

H)

$$\begin{array}{r} 663 \\ - 548 \\ \hline \end{array}$$

Addition/
Subtraction with
Decimals Multi-
digit Relay

4th Grade

$$A) \quad 22.47 + 1.62 =$$

$$B) \quad 7.39 - 5.8 =$$

$$C) \quad 65.4 + 3.22 =$$

$$D) \quad 32.5 - 6.8 =$$

$$E) \quad 6.5 + 2.69 =$$

$$F) \quad 3.68 - .73 =$$

$$G) \quad 45.4 + 75.8 =$$

$$H) \quad 6.63 - 5.9 =$$