

# MATH - Grade 2

## LEARNING STANDARDS

2+5

### What to Watch For

#### Your Second Grader Will:

- Count, read and write numbers; identify place value and fractions.  
**Try this:** How many quarter cups of sugar would we need to get 1 cup of sugar?  
Which would give you more pizza:  $\frac{1}{8}$  of a pizza or  $\frac{1}{4}$ ?  
Say a three- or four-digit number and identify the place value of each number. For example, in the number 3,587, the value of 3 is 3,000, 5 is 500, 8 is 80, and 7 is 7.
- Know addition and subtraction facts through 12; add and subtract with tens and hundreds ( $234 + 138$ ); understand estimation.  
**Try this:** Think of 2 two-digit numbers and estimate the sum. For example,  $23 + 46 = ?$   
Estimate is  $20 + 50 = 70$ .
- Collect, organize and display data using tables, charts and graphs.  
**Try this:** Gather data about favorite food. Create a graph. Ask questions about what the graph tells you.
- Use tools such as clocks, calendars, thermometers and number lines to measure length, weight, capacity and volume.  
**Try this:** Use a calendar. Count how many days, weeks or months until a special event such as a

birthday, holiday or party.

- Explore two- and three-dimensional shapes.  
**Try this:** Look for two-dimensional shapes (circle, square, triangle, rectangle, hexagon, rhombus, trapezoid) and three-dimensional shapes (cone, cylinder, pyramid, cube, sphere) in your home or neighborhood. Name them and discuss their characteristics.
- Understand number patterns and rules for number sequences.  
**Try this:** What is the rule for this number sequence? 4, 8, 12, 16, 20

#### Problem Solving:

Which of these are correct?

- A.**  $8 + 3 = 13$       **C.**  $7 = 5 + 2$       **E.**  $8 + 3 = 3 + 8$   
**B.**  $8 = 5 + 13$       **D.**  $7 - 5 = 7 - 2$       **F.**  $7 + 3 = 10$

How can you prove you are correct?

#### Questions to Ask Your Child:

- How did you figure out your answer?
- What is the problem asking you to do or to find?
- Can you draw a picture to solve the problem?

#### Games that Teach Math Concepts:

- Candy Land
- Chutes and Ladders
- Hi Ho! Cherry-O
- Puzzles
- Barrel of Monkeys
- Crazy Eights
- Checkers
- Connect Four
- Mancala
- Don't Spill the Beans
- Ants in the Pants

# ZAUV - Qib 2

## COV QAUV TXUJ

2+5

### Yam Yuav Tau Ras Txog

#### Koj Tus Me Nyuam Kawm Qib Ob Yuav Tsum:

- Suav tau, nyeem tau thiab sau tau cov zauv; paub zauv qhov chaw rau nqi thiab cov zauv sib faib.

**Sim ua qhov no:** Peb yuav tsum muaj pes tsawg ib feem plaub khob piam thaj thiaj li muaj txog 1 khob piam thaj?

Qhov twg thiaj muab ntau nplais pizza rau koj:  $1/8$  ntawm ib lub pizza los  $1/4$ ?

Hais ib tug zauv uas muaj peb tug los yog plaub tug thiab kom tus me nyuam qhia tus nqi ntawm ib tug zauv qhov chaw zuj zus. Piv txwv hais tias, ntawm tus zauv 3,587, tus nqi rau tus zauv 3 yog 3,000, 5 yog 500, 8 yog 80, thiab 7 yog 7.

- Paub sib ntxiv thiab sib rho txog 12; ntxiv thiab rho cov kaum thiab cov pua ( $234 + 138$ ); to taub txog kev kwv yees.

**Sim ua qhov no:** Xav txog cov zauv muaj 2 tug thiab kwv yees qhov sib ntxiv muaj li cas. Piv txwv hais tias,  $23 + 46 = ?$  Kwv yees hais tias  $20 + 50 = 70$ .

- Sau, teeb thiab nthuav qhia cov zauv uas muab teeb ua cov zeg, cov duab thiab cov kab.

**Sim ua qhov no:** Sau cov ncauj lus txog yam khoom uas nyiam noj tshaj. Muab cov no los teeb ua tej kab nthuav qhia hais tias ib yam muaj pes tsawg leej neeg nyiam. Nug kom koj tus me nyuam piav qhia seb cov kab no txhais li cas.

- Siv cov khoom xws li cov teev, cov ntawv teev hnuv thiab hli, cov khoom ntsuas kub ntsuas txias thiab cov kab ntsuas zauv qhov ntev, qhov nyhav, qhov puv thiab qhov luaj li cas.

**Sim ua qhov no:** Siv daim ntawv teev hnuv thiab hlis. Suav seb muaj pes tsawg hnuv, pes tsawg lub lim piam los yog pes tsawg lub hlis mam txog ib hnuv tshwj xeeb xws li hnuv yug los yog hnuv ua koom txoos lom zem.

- Kawm txog cov xwm muaj ob thiab peb sab.

**Sim ua qhov no:** Nrhiav cov xwm muaj ob sab (circle, square, triangle, rectangle, hexagon, rhombus, trapezoid) thiab cov xwm muaj peb sab (cone, cylinder, pyramid, cube, sphere) hauv koj lub tsev los yog lub zej zog ib puag ncig. Qhia cov npe thiab tham txog qhov lawv zoo li cas.

- To taub cov qauv zauv thiab cov kev cai zauv sib raws qab.

**Sim ua qhov no:** Txoj cai rau cov zauv sib raws qab no yog dab tsi? 4, 8, 12, 16, 20

#### Kev Daws Teeb Meem:

Cov twg thiaj yog?

- A.  $8 + 3 = 13$       C.  $7 = 5 + 2$       E.  $8 + 3 = 3 + 8$   
B.  $8 = 5 + 13$       D.  $7 - 5 = 7 - 2$       F.  $7 + 3 = 10$

Koj yuav ua li cas thiaj qhia tau tias koj teb yog?

#### Cov Lus Uas Koj Yuav Siv Nug Koj Tus Me Nyuam:

- Ua cas koj thiaj teb tau?
- Nqe zauv kom koj ua dab tsi los yog nrhiav dab tsi?
- Koj kos puas tau daim duab qhia qhov koj teb?

#### Cov Kev Ua Si uas Qhia Ua Leb:

- Candy Land (Ntiaj Teb Qhob Noom)
- Chutes and Ladders (Cov Raj thiab Ntaiv)
- Hi Ho! Cherry-O
- Puzzles (Cov khoom sib dhos)
- Barrel of Monkeys (Hub Liab)
- Crazy Eights (Cov Yim Vwm)
- Checkers
- Connect Four (Plaub Lub Sib Txuas)
- Mancala
- Don't Spill the Beans (Txhob Ua Noob Taum Nchuav)
- Ants in the Pants (Cov Ntsaum Nkag Ris)