

Mini-math Gr 5/6: Monday, September 21, 2020

- (1) What is the sum of 254 and 388?
- (2) What is the product of 25 and 11?
- (3) Approximately how much do I weigh in kg?
- (4) Estimate $4920 + 8201$
- (5) Estimate $61901 \div 7$
- (6) Draw a picture representing two and three quarters.
- (7) If I have three and a half cups and remove one and three quarters cups, how many cups do I have?
- (8) How many quarters are in six fifths?

Mini-math Gr 5/6: Monday, September 28, 2020

- (1) What is the sum of 783 and 898?
- (2) What is the product of 12 and 75?
- (3) Approximately how much does a level 5 workbook weigh in g?
- (4) What is two-thirds of five-quarters?
- (5) How many quarters are in six-fifths?

Mini-math Gr 5/6: Wednesday, September 30, 2020

- (1) What is the difference of two-fifths and one-sixth?
- (2) What is the product of $\frac{4}{5}$ and $\frac{15}{8}$?
- (3) Estimate $28190 \div 7.1$
- (4) Three oranges plus a basket weighs 970 g. The empty basket is 100 g. How much is one orange?

Mini-math Gr 5/6: Monday, October 5, 2020

- (1) Alice has 129 marbles. Bob has 234 more marbles than Alice. How many marbles does Bob have?
- (2) Alice has 129 marbles. Bob has 234 marbles. How many more marbles does Bob have than Alice?
- (3) Estimate $(358.8 \times 2 - 348) \div 7$
- (4) Four oranges plus a basket weighs 1253 g. Two oranges plus a basket weighs 684 g. How much is one orange?

Mini-math Gr 5/6: Wednesday, October 14, 2020 (8 minutes)

- (1) Alice has ₹200 and buys an igrushka which is ₹78. How many ₹ does she have left?
- (2) Bob places 32 kembangs so that they are touching. If each kembang is 15 sikhil wide, how many sikhil long is the line?
- (3) Cindy input $(519.1 \times 3 - 429.3 \times 2) \div (30 - 13)$ into her calculator and got 10.29. Is her answer reasonable? Why or why not?
- (4) Dave wants to solve the following shape algebra problem:

$$7 \blacksquare + 5 \blacktriangle = 160$$

$$8 \blacksquare + 6 \blacktriangle = 191$$

What steps should he take in solving it? (You do not need to solve it!)

Mini-math Gr 5/6: Monday, October 19, 2020 (6 minutes)

- (1) Alice has \$15.72 of change and wants to buy some drinks which are \$1.99 each. How many drinks can she buy?
- (2) Half of Bob's money is the same as a third of Cindy's money. What is the ratio of Bob's money to Cindy's money?
- (3) Dave has a pumpkin that is nearly a perfect fit for his square box which has a 30 cm side length. He would like to place a ribbon around the widest part of the pumpkin. If he needs 35 cm to tie a bow as well, about how much ribbon does he need?

Mini-math Gr 5/6: Monday, October 26, 2020 (6 minutes)

- (1) Alice is preparing bags of goodies for her friends as a Halloween treat. She would like to give each of her friends 12 candies, and has 16 friends should would like to give a bag to. If the candy she wants to buy comes in packs of 10, how many packs of candy does she need to buy?

- (2) $\frac{1}{2}$ of Bob's money is equal to $\frac{1}{3}$ of Cindy's money is equal to $\frac{1}{5}$ of Dave's money. Find the ratio of Bob's money to Cindy's money to Dave's money.

- (3) Erica and Felix have 400 g of cotton candy. After Erica gives $\frac{1}{9}$ of her cotton candy to Felix, they have the same amount of cotton candy. How much more cotton candy did Erica start with than Felix?

Mini-math Gr 5/6: Monday, November 2, 2020 (8 minutes)

- (1) Alice scored 85, 92, 89, 95, and 88 points on her five tests. What was her average score, to the nearest whole point?

- (2) Order the following decimals from least to greatest:

1.234, 1.25, 1.09, 1.23

- (3) $\frac{4}{5}$ of Bob's money is equal to $\frac{3}{11}$ of Cindy's money is equal to $\frac{6}{7}$ of Dave's money. Find the ratio of Bob's money to Cindy's money to Dave's money.

- (4) Erica went shopping and spent \$35 on a shirt. She used $\frac{1}{4}$ of her remaining money to buy a bag. She was then left with $\frac{1}{3}$ of her initial amount of money. How much money did she have at first?

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, November 16, 2020 (5 minutes)

Each question is worth 2 marks: 1 for the work and 1 for the answer.

- (1) The base of an aquarium measures 70 cm by 60 cm. If you pour $84,000 \text{ cm}^3$ of water into the aquarium, what will be the depth of the water ?

- (2) Apples cost \$1 each and oranges \$1.25 each. You buy four apples and three oranges and you pay with a \$10 bill. How much change does the seller give back to you?

- (3) The ratio of girls to boys at a party is 2 : 3. When five boys leave, the ratio of girls to boys becomes 4 : 5. How many girls were at the party?

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, November 23, 2020 (8 minutes)

Each question is worth 2 marks: 1 for the work and 1 for the answer.

- (1) The ratio of girls to boys at a party is $2 : 3$. When eight boys leave and eight girls arrive, the ratio of girls to boys becomes $4 : 5$. How many girls were at the party at the end?
- (2) Erica went shopping and spent \$45 on a shirt. She used $\frac{1}{6}$ of her remaining money to buy a bag. She was then left with $\frac{25}{32}$ of her initial amount of money. How much money did she have at first?

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, December 7, 2020 (8 minutes)

Each question is worth 2 marks: 1 for the work and 1 for the answer.

- (1) The ratio of girls to boys at a party is $4 : 3$. When 15 girls arrive, the ratio of girls to boys becomes $7 : 4$. How many people were at the party at the end?

- (2) Solve for x and y :

$$x + y = 5$$

$$x - y = 28$$

Mark: _____

Mini-math Gr 5/6: Monday, January 11, 2021 (8 minutes)

Each question is worth 5 marks: 4 for the work (including presentation) and 1 for the answer.

- (1) Suppose that at SuperOffice, the cost of a pencil is \$1.20 less than a pen. Alice bought 6 pencils and 2 pens and spent \$6.80. How much did each pen cost?
- (2) At Amozan, shipping boxes measure 41 cm by 31 cm by 14 cm. A retail outlet has put out a large order on sprockets, which Amozan sells in boxes which are cubes with a side length of 2 cm. How many boxes of sprockets can fit inside a single Amozan shipping box?

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, January 18, 2021 (12 minutes)

Each question is worth 5 marks: 4 for the work (including presentation) and 1 for the answer.

Calculators allowed!

- (1) Alice bought a total of 9.8 kg of apples, some of which cost \$2.80/kg and some of which cost \$3.15/kg. Alice paid with a \$50 note and received \$21.09 in change. To the nearest gram, how many grams of the more expensive apples did she buy?

- (2) A 1-litre beaker contained 713 cm^3 of water. When 8 identical metal cubes were placed in it, 492 cm^3 of water overflowed. What was the length of each side of each metal cube in cm, to the nearest hundredth of a cm? ($1 \text{ L} = 1000 \text{ cm}^3$)

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, January 25, 2021 (12 minutes)

For each question, 1 mark is for the answer and the rest is for the work (including presentation).

Calculators allowed!

- (1) (5 marks) Penny has 46 coins in her piggy bank, all of which are either quarters or dimes. If Penny has \$8.65 in total, how many quarters does she have?

- (2) (3 marks) Evaluate the following for $x = 2021$:

$$(3(3x + 8) + 26 + x) / 10 - x$$

Name: _____

Mark: _____

Mini-math Gr 5/6: Monday, February 1, 2021 (12 minutes)

For each question, 1 mark is for the answer and the rest is for the work (including presentation).

Calculators allowed!

- (1) (2 marks) Simplify the following as much as possible

$$3(2x + 3) - 2(x - 1)$$

- (2) (5 marks) Penny had some nickels, dimes, and quarters in her bag. The number of nickels was $\frac{1}{3}$ the number of quarters. The number of dimes was $\frac{1}{2}$ the number of quarters. After spending all of her dimes and $\frac{2}{3}$ of her quarters, she had \$3.60 left in her bag. How much money did she spend altogether?