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 ÷ 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 4/5 and 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 $1/9$ 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:

$$1.234, \quad 1.25, \quad 1.09, \quad 1.23$$

(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 1/4 of her remaining money to buy a bag. She was then left with 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 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 1/6 of her remaining money to buy a bag. She was then left with 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:

$$x + y = 5$$
$$x - y = 28$$

Name: _____ 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 L = 1000 cm^3)