The City School

University Road Campus

Mathematics Reinforcement

Worksheet # 1

Class 5

Topic: Decimals

Name: _____ Section: _____ Date: _____

Q1 Write the decimals as fractions in their simplest form.

(a) 0.89 = _____ (b) 8.8 = _____ (c) 0.45 =_____

(d) 0.72 = _____ (e) 7.5 =_____ (f) 4.78 =_____

Q2 Write the fractions as decimals.

(a) $\frac{9}{5}$ = _____ b) $\frac{4}{7}$ = _____ c) $\frac{7}{5}$ =_____

d) $\frac{2}{5}$ = _____ e) $1\frac{2}{5}$ =_____ f) $3\frac{3}{4}$ = _____

Q3 Solve and show your workings.

Check if your answers are reasonable.

(a) 1.36 + 2.04 =_____ c) 9 – 0.09 =_____

Working **Working**

b) 4.67 – 1.23 =_____ d) 2.005 + 12.88 =_____

Working **Working**

Q4 Solve mentally.

(a) 0.4 × 7 =_____ (b) 0.7 × 8 = _____ (c) 1.2 × 4 = _____

(d) 3.3 × 3 = _____ (e) 9.9 ÷ 3 = _____ (f) 10.2 ÷ 2= _____

(c) 8.1 ÷ 9 = _____ (d) 7.2 ÷ 9 = _____

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Worksheet # 2

Class 5

Topic: Operation with Decimals

Name: _____ Section: _____ Date: _____

Q1 Add mentally to find out whether each statement is true or false.

Draw a ring around the correct answer.

(a) 8.8 + 3.7 = 12.5 True / False (b) 0.4 + 6.5 = 5.9 True / False

(c) 1.7 + 2.4 = 6.2 True / False (d) 2.8 + 4.3 = 7.1 True / False

Q2 Use > or < to make the statements correct.

(a) 9.4 + 0.02 ◯ 5.4 + 0.2 (b) 6.35 + 1.0 ◯ 41.23 + 0.45

(c) 4.11 + 4.97 ◯ 4.79 − 1.41 (d) 1.55 + 2.9 ◯ 9.5 − 2.19

(e) 4.9 − 0.9 ◯ 6.09 − 0.49 (f) 2.04 + 2.51 ◯ 4.4 − 1.43

(g) 50.3 - 21.7 ◯ 74 + 9.6 (h) 7.02 + 0.89 ◯ 3.34- 2.17

Q3 Write the missing numbers.

(a) 4.9 +_____ = 7.23 (b)____ + 7.59 = 8.97 (c) _____− 14.8 = 34.8 (d) 50 −_____ = 5.2

Q4 Multiply.

(a) 7.4 × 10 =_____ (b) 5.2 × 100 = _____ (c) 9.32 × 1000 =_____

(d) 0.07 × 100 = _____ (e) 6.11 × 10 =_____ (f) 9.06 × 1000 =_____

Q5 Divide.

(a) 88.7 ÷ 10 =_____ (b) 7.9 ÷ 1000 =_____ (c) 93.1 ÷ 100 =_____

(d) 104.8 ÷ 10 = _____ (e) 40.4 ÷ 1000 =_____ (f) 40.7 ÷ 100 = _____

(g) 16 ÷ 100 =_____ (h) 95 ÷ 1000 = _____

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Worksheet # 3

Class 5

Topic: Time

Name: _____ Section: _____ Date: _____

Q1 Write in minutes.

(a) 8 h 47 min = _____min (c) 2 h 33 min = _____

(b) 6 h 53 min =_____ min (d) 9 h 54min = _____

Q2 Write in hours and minutes.

(a) 756 min =_____ h_____ min (c) 556 min = _____h _____ min

(b) 304 min =_____ h_____ min (d) 878 min = _____ h _____ min

Q3 Write in seconds.

(a) 7 min 18 s =_____ s (c) 5 min 54 s =_____ s

(b) 1 min 24 s =_____ s (d) 9 min 54 s =_____ s

Q4Write in minutes and seconds.

(a) 147 s = _____min _____s (c) 250 s =_____ min_____ s

(b)347 s =_____ min_____ s (d) 652 s = _____min _____s

Q5 Write using the 24- hour clock.

(a) 7:55 a.m. = _____(c) 9:55 p.m = _____

(b) 5:30 a.m. =_____(d) 11:24 p.m. = _____

Q6 Write using the 12- hour clock.

(a) 02 56 = _____(c) 21 59= _____

(b) 13 36 =_____(d) 00 02 =_____

Q7 Ali started his jog at 20 45. He jogged for 12 minutes.What time did he finish his jog?

Q8 Asim worked as a sales promoter from 8th to 28th December.How long did he work as a sales promoter in weeks and days?

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Worksheet # 4

Class 5

Topic: Percentage

Name: _____ Section: _____ Date: _____

Q1 Express the percentages as fractions in their simplest forms.

(a) 40% = _____ (b) 75% = _____ (c) 90% = _____

(d) 60% = _____ (e) 8% = _____ (f) 46% = _____

Q2 Express the fractions as percentages.

a) $\frac{3}{5}$ = _____ b) $\frac{46}{50}$ = _____

c) $\frac{33}{100}$= _____ d) $\frac{3}{4}$ = _____

Q3Use =, > or < to make the statements correct.

(a) $\frac{7}{20}$ ◯ 40% (b) 40% ◯ $\frac{4}{5}$

(b) $\frac{23}{50}$ ◯ 36% (d) 83% ◯ $\frac{3}{4}$

Q4 Order the percentages, fractions and decimals from smallest to largest.

0.33 , 35% , $\frac{1}{2}$, 12% , 0.03 , 63% , $\frac{2}{3}$

_____ _____ _____ _____ _____ _____

Q5Complete the table.

Percentage	Fraction in its simplest form	Decimal
	$\frac{3}{4}$	
45%		

Q6 Find the values.

(a) 10% of 40=_____ (b) 30% of 80=_____

(c) 17% of 60 =_____ (d) 12% of 50= _____

(e) 60% of 70 = _____ (f) 11% of 20 = _____

Q7 The usual price of a mobile phone is $800.The price of the mobile phone is reduced by 35% during a sale.How much discount was given for the mobile phone?

Q8 Sara has 8 packets of sweets.She gives 60% of her sweets to her friends.How many packets of sweets does Sara have left?

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Worksheet # 5

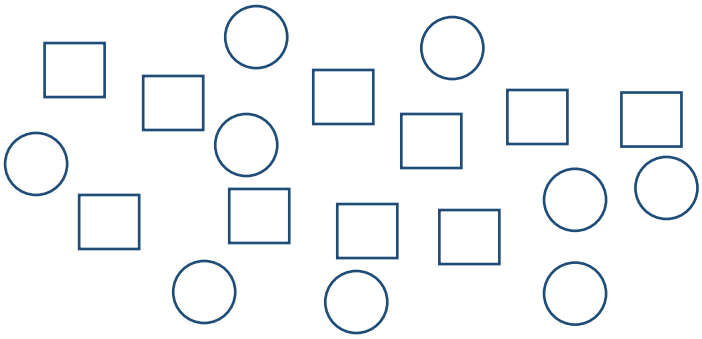
Class 5

Topic: Ratio

Name: _____ Section: _____ Date: _____

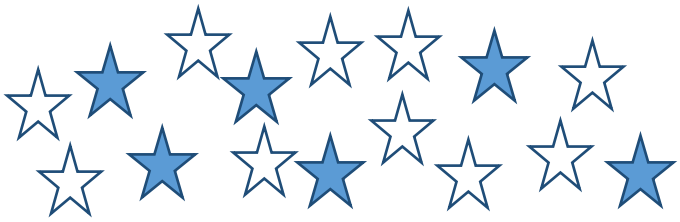
Q1:Express the ratios in their simplest form

a) Ratio of the number of squares to the number of circles



_____

b) Ratio of the number of shaded stars to unshaded stars



_____

Q2: Express the ratios in their simplest form.

(a) 4 : 28 = ____: _____ (b) 8 : 16 = _____: _____

(c) 33 : 22= _____: _____ (d) 63 : 72 = ____: _____

Q3: Write the missing numbers.

(a) 2 : 5 = 6 : _____ (b) 14 : 9 = _____: 3

(c) 4 : 11 = 20 : _____ (d) 3 : 14 = _____: 7

(e) 3 : 10 = _____: 40 (f) 54 : 6 = 18 : _____

Q4)There are 35 bed sheets and 15 pillow covers in a cupboard.What is the ratio of the number of bed sheets to the number of pillow covers in its simplest form?

Q5)The ratio of the length of a pencil to the length of a pen is 6: 4.The pencil is 18 cm long.What is the length of the pen?

Q6)Theamount of water needed to completely fill two tanks, A and B, is 32 l.The capacity of Tank A is 8 l.Find the ratio of the capacity of the Tank B to the capacity of Tank A in its simplest form.

Q7)In a box, $\frac{4}{9}$ of all the balls are tennis balls. The rest are ping pong balls. There are 35 ping pong in the box. How many tennis balls are there?

Q8)During the class election the ratio of votes for Tiffany to votes for Jerry was 4:3. For every _____votes Jerry got Tiffany got _____.

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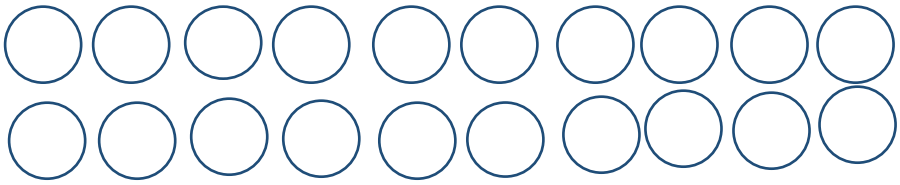
Worksheet # 6

Class 5

Topic: Proportion

Name: _____ Section: _____ Date: _____

Q1. Shade the figures to show that the proportion of circles that are shaded is $\frac{1}{4}$



Q2. Johny saved $20 from her $100 allowance. Roger saved $10 from her $ 80 allowance.

Who saved a greater proportion of her allowance?

Q3.Martha and Sam are playing ring toss at a funfair. Martha got 5 out of every 8 rings around the peg. Sam tossed 25 rings and got 15 around the peg.Who is the more accurate player?

Q4. A toy car is $\frac{1}{10}$ of the size of a real car. The toy bag measures 24 cm in length.

What is the length of the real car in centimeters?

Q5. Ali mixed 6 tins of Colour A with 8 tins of Colour B to get 14 tins of Colour C.

(a) Ali needs to make 28 tins of Colour C. How many tins of Colour A does he use?

(b) Ali has 4 tins of Colour B. How many tins of Colour C can Bill make using these?

Q6. Chef Koh's custard recipe requires 15 egg yolks and 3 cups of milk.This recipe makes 5 servings of custard.

(a) Chef Koh is making 15 servings of custard. How many cups of milk does he need?

(b) Chef Koh needs to make 20 servings of custard. He has enough milk, but only50 egg yolks. How many more egg yolks does he need to make 20 servingsof custard?

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Worksheet # 7

Class 5

Topic: Fraction of a set

Name: _____ Section: _____ Date: _____

Q1. There are 60 color pencils in a box. $\frac{2}{3}$ of the color pencils are blue.How many bluecolor pencils are there?

Q2. A baker has 40 kg of sugar. He uses $\frac{2}{5}$ of the sugar. How much sugar does he use?

Q3. A TV costs $810. Sara pays for $\frac{2}{5}$ of the cost. Her mother pays for the rest.

How much does Sara pay?

Q4. A class has 40 children. $\frac{2}{3}$ of the children walk to school. How many children walk to school?

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Worksheet # 8

Class 5

Topic: Length

Name: _____ Section: _____ Date: _____

Q1. What are the units for measuring length?

_____

Q2. Which units can be used to measure these object:

a) Height of a door _____

b) Nib of a Pen _____

c) Table _____

d) Length of a Key _____

e) Width of a Mobile phone _____

f) Height of a Lamp_____

Q3. Convert these units of length:

a) 7.88km = _____m b) 9.5km = _____m c) 98m = _____cm

d) 0.34cm = _____m e) 3240m = _____km f) 2.3cm = _____mm

g) 68mm = _____cm h) 1.23 m = _____cm

Q4. Order the lengths from shortest to longest.

128 mm 7 m 3 cm 0.35 km 850 mm

_____ _____ _____ _____ _____

Q5. Draw a line 7.5 cm long.

Q6 Draw a line 87 mm long

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Worksheet # 9

Class 5

Topic:Word Problems

Name: _____ Section: _____ Date: _____

Note: Solve all the given word problems in 2nd term notebook. Show necessary working and the answer statement.

Q1) Sara thinks of a number. The number becomes 78.2 when multiplied by 100. What number is Sarathinking of?

Q2) On a Saturday, a library checked out 52 books. If 24 of the books were fiction, what is the ratio ofnon-fiction books to fiction books checked out?

Q3) A recipe called for the ratio of sugar to flour to be 10 : 3. If you used 70 ounce of sugar, how manyounces of flour would you need to use?

Q4) At a bake sale, there were 72 raisin cookies sold. If the ratio of raisin cookies sold to oatmealcookies sold was 9 : 1, what is the combined amount of raisin and oatmeal cookies sold?

Q5) For homework, a student had to complete 15 problems in total. If she finished 6 problems in class,what is the ratio of problems she still needs to complete to problems that she's already finished?

Q6) At a farm the ratio of cows to horses was 9 : 2. If there were 72 cows at the farm, how manyhorses were there?

Q7)A student earned a grade of 80% on a math test that had 20 problems. How many problems onthis test did the student answer correctly?

Q8) McDonalds sell milkshakes in two sizes. A small milkshake contains 300ml and a large milkshakecontains 2/3 more. How much does a large milkshake contain?

Q9) Mrs Anne had 2500g of salt in a bag. She divided them equally into 100 packets. How much salt was there in each packet? Give your answer as a decimal.

Q10) Sam walks 2.66km to the school. How many metres does he walk?

Q11)A rope is 4.5 metre long and a string is 250 centimetre long. What is the total length of the rope and string in centimetre?

Q12) Jackson's favorite television program starts at 4:20pm. If he gets home from school at 2:30pm, how long does he have until his show starts?

Q13) David has a lot of homework to do. He starts his reading homework at 3:45 and ends at 4:30.Then he does Math from 4:30 until 5:00. Lastly, he studies for a Science test from 5:00 - 5:30.How much total time did David spend on his homework and studying?