Rosary School \ Marj Elhamam

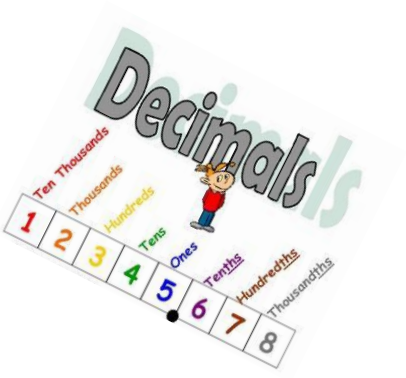
Name: _____ Date : / 9 / 2025 Subjec

Worksheet (2) / chapter (2) Grade : 5 ( )

The Number System

❖ 2.A Count on and back

Q1: a) Count on in 0.5s.



0.2 , 0.7 , 1.2 , _____ ,_____

b) Count back in 0.02s.

0.09 , 0.07 , 0.05 , _____ , _____

c) Count back in 0.005s.

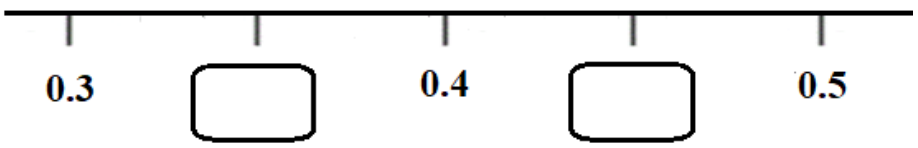
0.006 , 0.001 ,_____ , _____ , _____

d) Count on in $\frac{1}{9}$s.

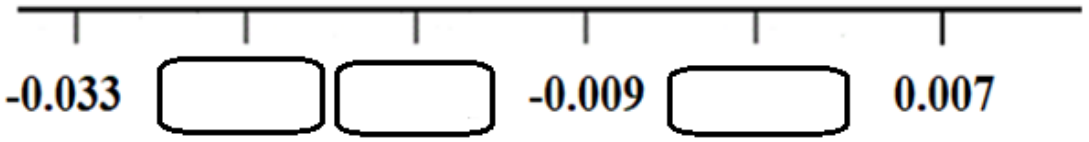
$\frac{2}{9}$, _____ , _____ , $\frac{5}{9}$, $\frac{6}{9}$

.**Q2:** Fill in the blanks

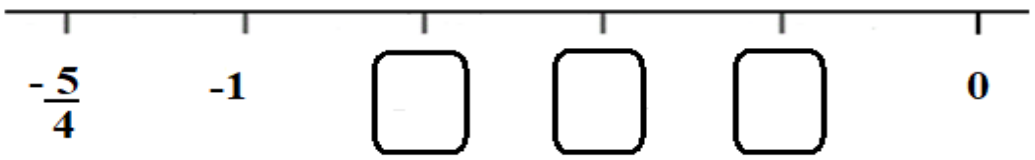
a) Count on in 0.05s.



b) Count on in 0.008s.



c) Count back in $\frac{1}{4}$ s.



.**Q3:** a) Write the missing numbers in the boxes to complete the sequence

$$\frac{17}{7}\ ,\ \frac{\square}{\square},\ \frac{\square}{\square},\ \frac{5}{7}\ ,\ \frac{1}{7}$$

b) The sequence continues in the same way.
What is the first negative term in the sequence?

_____

Q4: Here are six measurements.

1.6 Kg , 2.2 Kg , 2.8 Kg , 2.5 Kg , 3.1 Kg , 1.9 Kg

a) Use the numbers given to form an increasing sequence.

_____ ,_____ , _____ ,_____ , _____ ,_____

b) Describe the pattern you observed.

_____

Q5: The height of the sixth step in a pool is $\frac{16}{3}$ m **below** the water level.

It increases $\frac{2}{3}$ m each time.

a) How many meters below the water level is the first step? _____

b) Could the height of a step in the pool be $\frac{7}{3}$ m below the water level?

Why or why not?

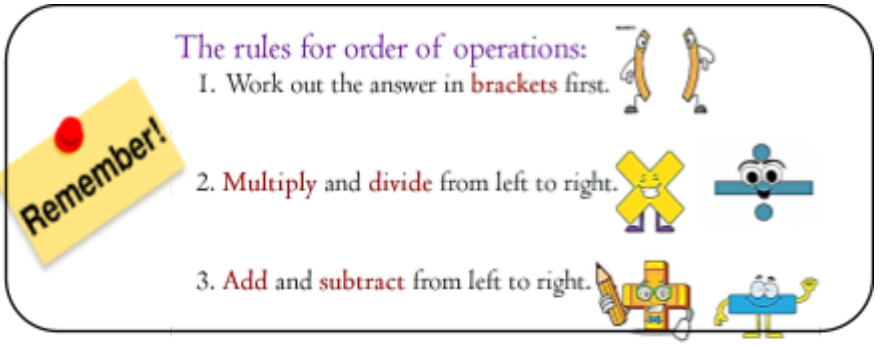
_____

_____

_____

_____

❖ 2.B Use the order of operations



Q6 :

While sorting some buttons, Trudy put 42 buttons in the first box, 50 buttons in the second box, 58 buttons in the third box, 66 buttons in the fourth box, and 74 buttons in the fifth box. If this pattern continues, how many buttons will Trudy put in the sixth box?

_____

Q7: Use the order of operations to fill in the blanks.

a) 4 × 22 × 5 – 20

= 22 × _____× _____ – 20 Use the **commutative law** of multiplication.

= 22 × _____ – 20 Use the **associative law** of multiplication.

= _____ – 20 Do **multiplicatio**n before **subtraction.**

= _____

b) 22 + 18 + 4 × 2

= 22 + 18 + _____ Do **multiplication** before **addition**.

= 22 + _____ + 18 Use the **commutative law** of addition.

= _____ + _____

= _____

c) 400 – 32 × 12

= 400 – 32 ×_____ – 32 × 2 Use the **distributive law**.

= 400 –_____ – _____ Do **multiplication** before **subtraction**.

= _____ – _____

= _____

Q8: Use the **law of arithmetic** to solve the following equations.

a) 10 + 5 × 28 × 2 =

b) 16 × 5 – 60 =

c) 110 × 13 – 1400 =

d) 192 – 4 × 9 × 5 =

❖ 2.C Use Brackets

Q9: Draw a ring around the letters of the expressions that give the same answer.

a) $2 \times (35 + 15) + 20$

b) $(100 - 44) + 16 \times 4$

c) $140 - (120 \div 6)$

d) $(9 \times 8) - 12 \times 2$

Q10: Mel has 38 blue pens and 22 green pens.
She puts all the pens equally into 2 drawers.
How many pens are there in each drawer?
This word problem can be solved using only one equation. Write the equation.

_____

Q11: Insert brackets to make each statement true.

a) $4 + 6 \times 9 + 3 = 76$

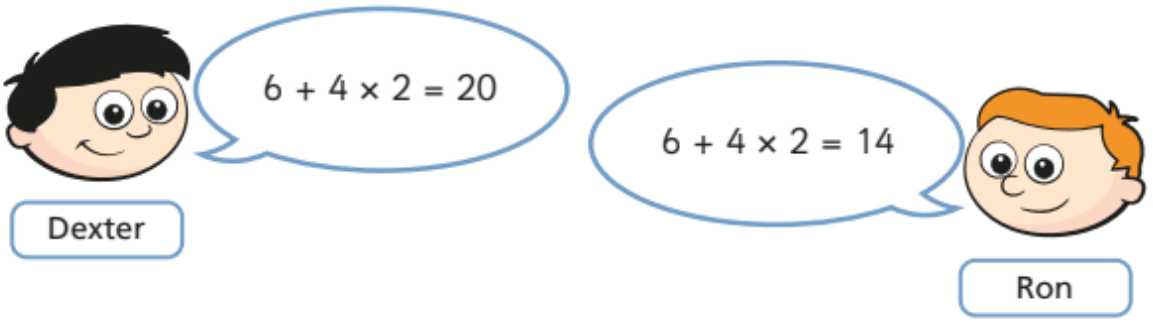
b) $70 - 20 \div 5 + 4 = 14$

c) $6 \times 10 + 20 - 4 \times 3 = 108$

Q12: Saif works at a restaurant. He earns $20 every hour.
He works on weekdays for 8 hours a day.
After working for 9 weeks, he will receive an additional payment of $120.
How much will he earn in 9 weeks?

$_____

Q13: Dexter and Ron are completing the same calculation.



Who is correct? _____

Explain your answer.

_____

Q14: Rasha goes shopping with £20.

She spends £4 on a book and buys 5 magazines each costing £3.

Tick the calculations that show how much money she has left in pounds.

$20 - 4 + 5 \times 3$	$20 - (4 + 5) \times 3$	$20 - (4 + 5 \times 3)$
$20 - 4 - 5 \times 3$	$20 - 5 \times 3 + 4$	$20 - (5 \times 3 + 4)$

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