

End of Year Examination Revision Worksheet

Grade 4 – Mathematics

Name: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

**Q1. Calculate** and if possible then write your answers in the simplest form.

a.  $\frac{1}{2} + \frac{2}{8}$       b.  $\frac{4}{5} - \frac{6}{10}$       c.  $\frac{9}{20} - \frac{1}{4}$

**Q2.** Amna spent  $\frac{3}{4}$  of her money on her dress and  $\frac{5}{8}$  of her money on a bag.  
What fraction of her money did she spend altogether?

**Q3. Solve**

a. $30 \times 64$	b. $58 \times 29$	c. $48 \times 71$
d. $943 \div 6$	e. $105 \div 4$	f. $567 \div 3$

**Q4.** Find the product of 1.8 and 7

**Q5.** Complete these calculations.

a.  $3.2 \times 8$       b.  $35.1 \times 9$       c.  $0.3 \times 6$

**Q6.** Write the missing numbers.

a.  $0.2 \times 7 = \underline{\hspace{2cm}}$       b.  $\underline{\hspace{2cm}} \times 7 = 2.8$   
c.  $\underline{\hspace{2cm}} \times 0.8 = 2.4$       d.  $8 \times 3 = \underline{\hspace{2cm}}$

**Q7.** Aima is thinking of a number.

She says, 'If I divide my number by 7 the answer is 13.6.'

What number is Aima thinking of?

**Q8. Draw a line for each calculation to the correct description for the answer.**

$0.6 \times 1$

$0.3 \times 5$

Answer less than 1

$0.2 \times 5$

Answer equal to 1

$0.2 \times 4$

Answer more than 1

$0.7 \times 3$

**Q9** Use each of the digits 5, 6 and 7 in this calculation to give the largest possible

whole number answer.  $\square.\square \times \square =$

**Q10.** Calculate:

$\frac{1}{3} \times 5 = \square$

$\frac{1}{3} \text{ of } 5 = \square$

$\frac{1}{3} \div 5 = \square$

$5 \times \frac{1}{3} = \square$

Which answer is the odd one out? Why?

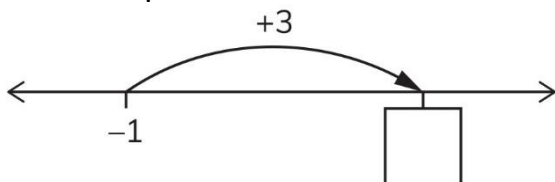
---

---

**Q11.** Write the missing number.

$0.4 + \square = 1$

**Q12.** Here is part of a number line. Write the missing number.



**Q13.** Calculate:

a.  $8.7 + 5.6$

b.  $5.2 - 3.8$

**Q14.** Calculate:

a.  $9 + 36 =$  \_\_\_\_\_

b.  $4 - 10 =$

c.  $-5 + 97 =$  \_\_\_\_\_

d.  $-53 - 65 =$

**Q15.** Farah makes a number sequence starting at 100.

She subtracts 40 each time.

Write the next number in the sequence.

100, 60, 20, \_\_\_\_\_

Note: Use given number line to help you answer Questions 16,17



**Q16.** What is 5 more than -2?

**Q17.** What is 3 less than 7?

**Q18:** Write the missing numbers.

a.  $10 -$  \_\_\_\_\_  $= 3.75$

b. \_\_\_\_\_  $+ 0.58 = 1.39$

**Q19.** Write the missing digit.

1	8	
---	---	--

 $\div$ 

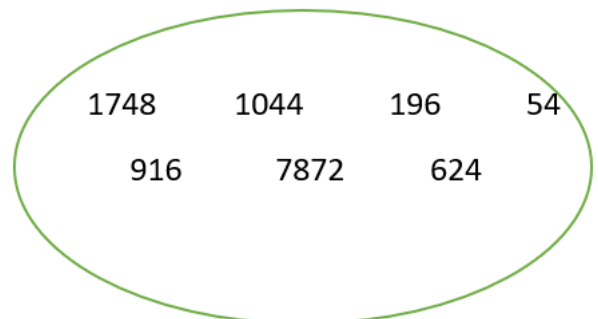
5
---

 $= 37 \frac{1}{5}$

**Q20.** Look at the set of numbers.

Write each number in the correct place below.

Divisible by 4	Divisible by 8



**Q21.** Write two missing numbers in this multiplication grid.

×	0.7	
	6.3	5.4
8	5.6	4.8

**Q22.** Here is a table of temperatures in the morning on the same day in three different cities.

London	4 °C
Moscow	-10 °C
Oslo	-5 °C

**a** By midday the temperature in Moscow has risen by 5 °C.

What is the new temperature?  °C

**b** The temperature in London falls by 6 °C

Complete this calculation to show the new temperature.

$$4 - 6 = \text{} \text{ °C}$$

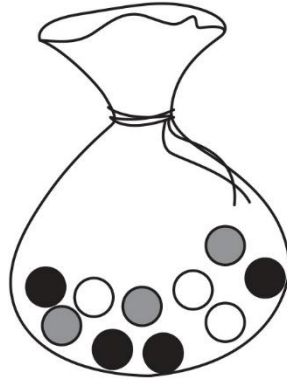
**Q23.** Write addition and multiplication sentences to represent the image below.



$$\frac{1}{5} \quad \frac{1}{5} \quad \frac{1}{5} \quad \frac{1}{5} \quad \frac{1}{5}$$

## Unit # 13: Ratio and Proportion

**Q1.** A bag contains 4 black counters, 3 grey counters and 3 white counters.



Complete these sentences.

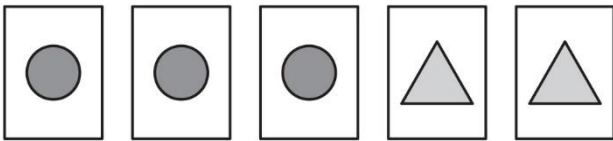
a. The ratio of black to grey to white counters is \_\_\_\_\_.

**Tip:** Remember to check the order of your numbers.

b. The proportion of white counters is \_\_\_\_\_.

**Tip:** You will need to think about the white counters and all the counters.

**Q2.** There are 3 circle cards for every 2 triangle cards in a pack of cards.



There are 14 triangle cards in the pack.

How many cards are in the pack altogether?

**Q3.** Draw lines to match the words to the examples.

proportion

In our neighborhood there are five cats for every dog, this is 5 : 1.

ratio

One half is the same as two quarters.

equivalent fractions

In every five apples, one is bad.

**Q4.** Circle the correct option below:



- a. 1 in every 3 beads is black.
- b. 3 in every 4 beads are black.
- c. For every 1 white bead, there are 3 black.

**Q5.** Sue has 10 blue pens and 5 green pens.

Tick (✓) any statements that are true.

Cross (✗) any statements that are not true.

- a.  $\frac{1}{3}$  of the pens are green.
- b.  $\frac{1}{2}$  of the pens are green.
- c.  $\frac{2}{3}$  of the pens are blue.

**Q6.** Three boxes A, B and C each contain red and blue cubes.

Box A	Box B	Box C
2 blue cubes	3 blue cubes	4 blue cubes
5 cubes altogether	5 cubes altogether	7 cubes altogether

Write the letter of the correct box next to each statement.

- a. There are 3 red cubes to every 2 blue cubes.
- b. 3 out of every 7 cubes are red.
- c. 60% of the cubes are blue.
- d. The ratio of red to blue cubes is 2 : 3.
- e.  $\frac{2}{5}$  of the cubes are blue.

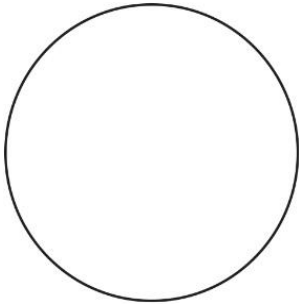
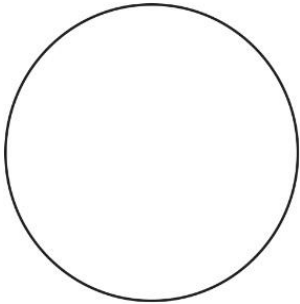
**Q7.** Here is a repeating pattern of letters.

L L M M M O O O O O L L M M M O O O O O

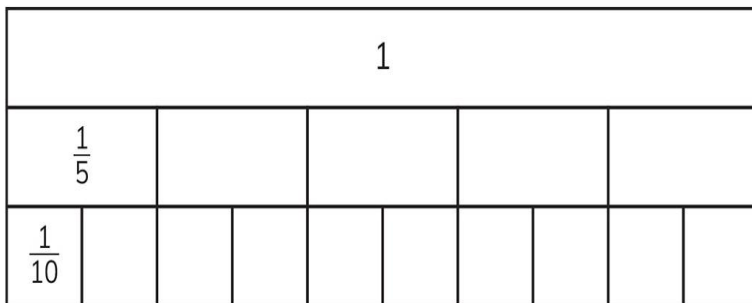
Use percentages to complete these sentences.

- a.  of the letters are L.
- b.  of the letters are M.
- c.  of the letters are O.

**Q8.** Draw the following necklaces.

ratio of triangle : square : circle = 2 : 2 : 1 	ratio of square : circle : triangle = 3 : 2 : 1 
--	---

**Q9.** Use the fraction wall to help you calculate.

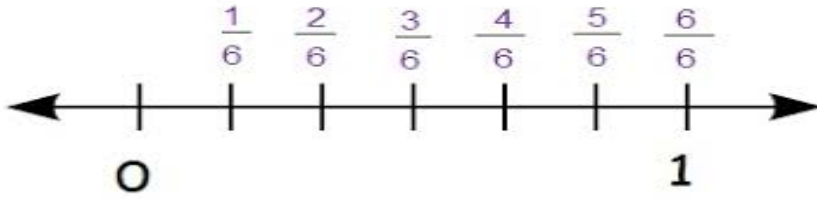


$$\frac{7}{10} - \frac{2}{5}$$

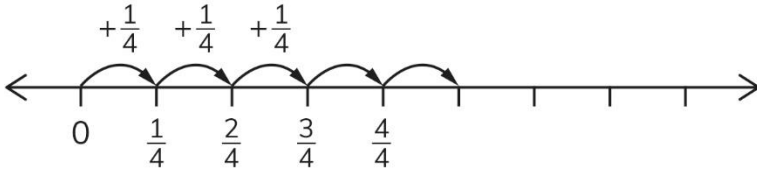
**Q10.** Write the missing numbers.

a.  $\frac{\quad}{12} + \frac{3}{4} = \frac{13}{12}$       b.  $\frac{3}{5} - \frac{\quad}{20} = \frac{11}{20}$

Q11. Use the number line to help you calculate  $\frac{1}{3} + \frac{2}{6}$



Q12. Complete the number line to show  $7 \times \frac{1}{4}$



$$7 \times \frac{1}{4} = \boxed{\quad}$$

Q13. Complete the missing digits to make the calculation correct.

$$\begin{array}{r} \boxed{\phantom{0}} \phantom{0} 5 \phantom{0} \\ \times \phantom{0} \phantom{0} 6 \\ \hline 9 \phantom{0} 1 \phantom{0} 8 \\ \hline \end{array}$$

Q14: Sana multiplies 54 by 87. Here is her working.

$$\begin{array}{r} 54 \\ \times 87 \\ \hline 358 \\ 402 \times \\ \hline 4378 \end{array}$$

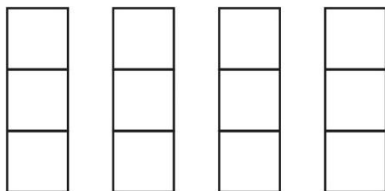
Correct working

What error has Sana made? Calculate the correct answer.

\_\_\_\_\_

Q15. The diagram represents 4 units. Each unit is divided into 3 equal pieces.

Shade the diagram, then write the answer to  $4 \times \frac{1}{3}$



$$4 \times \frac{1}{3} = \underline{\hspace{2cm}}$$