



Mathematics Department

Grade 3 – Quiz 2 Practice Paper – Term 1

Unit 3 (Multiplication and Division)





- Lesson 1: Understand Equal Groups. PAGE 92-94
- Lesson 2: Use Arrays to Multiply. PAGE 96-98
- Lesson 3: Commutative Property. PAGE 102-104
- Lesson 4: Understand Equal Sharing. PAGE 106-108

(1a – 1g)

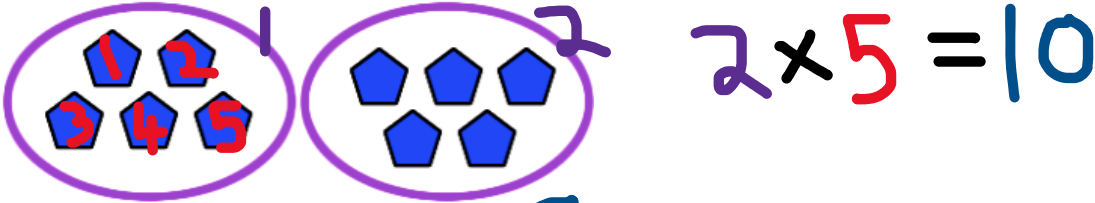
(2a – 2g)

(3a – 3e)

(4a – 4e)

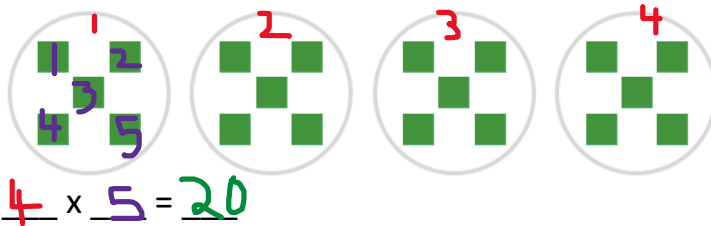
1a	How many <u>groups</u> are there?  a) 2 groups <input checked="" type="radio"/> b) 3 groups
1b	How many <u>objects</u> are in <i>each</i> group?  <input checked="" type="radio"/> a) 2 objects b) 3 objects
1c	How many <u>objects</u> are in each group?  a) 4 objects <input checked="" type="radio"/> b) 5 objects c) 20 objects
1d	How many <u>groups</u> are there?  <input checked="" type="radio"/> a) 4 groups b) 5 groups c) 20 groups

1e What is the multiplication equation for this?



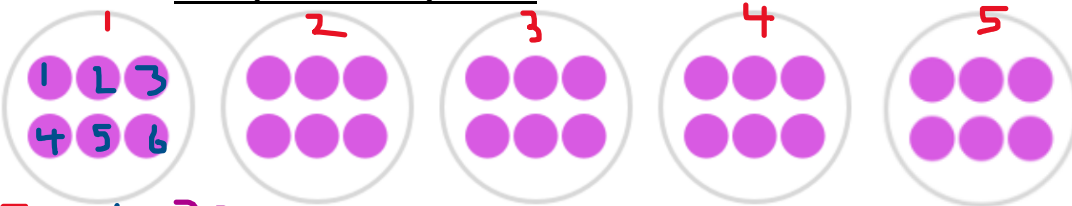
a) $2 \times 10 = 5$ b) $5 \times 10 = 2$ ☒ c) $2 \times 5 = 10$

1f What is the multiplication equation for this?



$4 \times 5 = 20$

1g What is the multiplication equation?



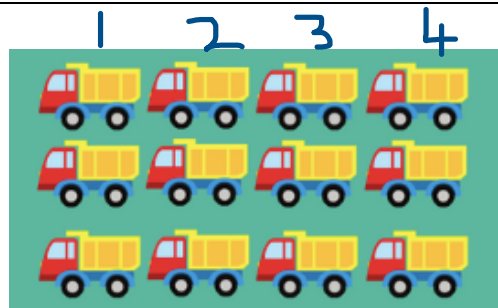
$5 \times 6 = 20$

2a How many rows are there?



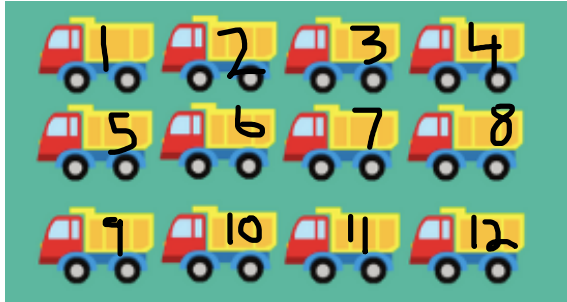
☒ a) 3 rows b) 4 rows c) 12 rows

2b How many columns are there?



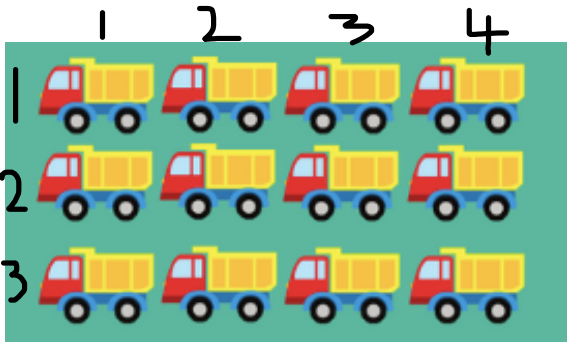
a) 3 columns ☒ b) 4 columns c) 12 columns

2c How many **objects** are there altogether?



- a) 3 objects b) 4 objects ☒ c) 12 objects

2d What is the **multiplication equation** for this array?



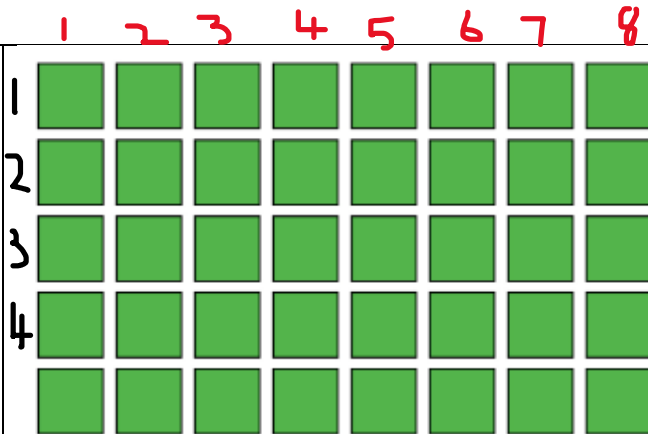
- a) $3 + 4 = 12$ ☒ b) $3 \times 4 = 12$ c) $4 + 4 + 4 = 12$

2e What is the **repeated addition equation** for this array?



- a) $3 + 4 = 12$ b) $3 \times 4 = 12$ ☒ c) $4 + 4 + 4 = 12$

2f



How many rows does this array have?

5

How many columns does this array have?

8

What is the multiplication equation for this array?

$$\underline{5} \times \underline{8} = \underline{40}$$

What is the repeated addition equation for this array?

$$\underline{8} + \underline{8} + \underline{8} + \underline{8} + \underline{8} = \underline{40}$$

2g



How many rows does this array have?

2

How many columns does this array have?

6

What is the multiplication equation for this array?

$$\underline{2} \times \underline{6} = \underline{12}$$

What is the repeated addition equation for this array?

$$\underline{6} + \underline{6} = \underline{12}$$

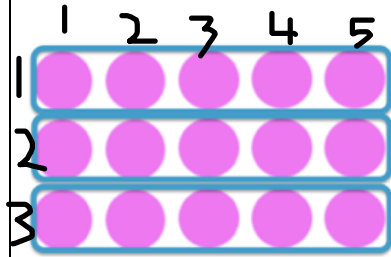


3a $3 \times 4 = 4 \times 3$ because of the

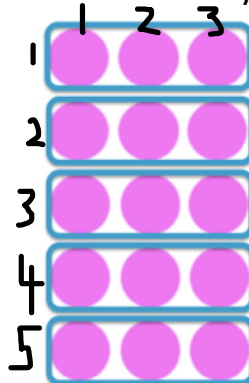
a) commutative property

b) associative property

3b What is the multiplication equation for both arrays?



$$\underline{3} \times \underline{5} = \underline{15}$$



$$\underline{5} \times \underline{3} = \underline{15}$$

3c Use the **commutative property** to fill in the blanks.

a) $2 \times 3 = 3 \times \underline{2}$

b) $5 \times 6 = 6 \times \underline{5}$

c) $7 \times 1 = \underline{1} \times 7$

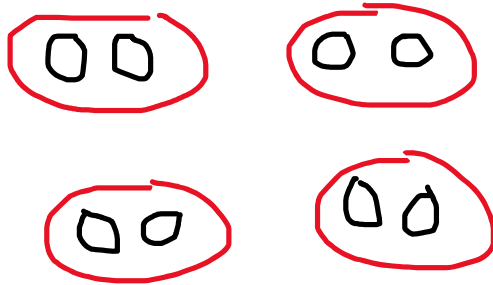
d) $8 \times 9 = \underline{9} \times \underline{8}$

e) $4 \times 39 = \underline{39} \times \underline{4}$

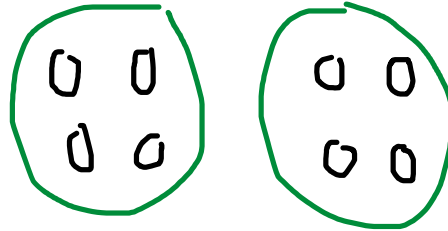
3d

Draw **equal groups** to show that $4 \times 2 = 2 \times 4$.

$$\underline{4} \times 2 = 8$$



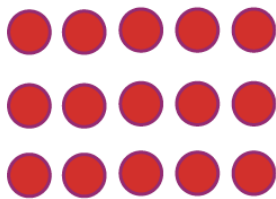
$$\underline{2} \times 4 = 8$$



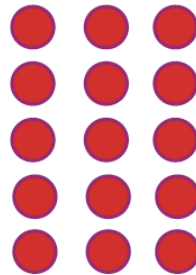
3e

Draw **arrays** to show that $3 \times 5 = 5 \times 3$.

$$3 \times 5 = 15$$

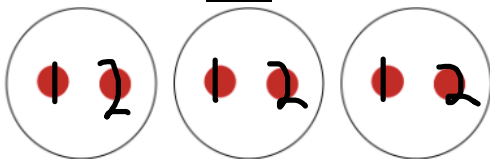


$$5 \times 3 = 15$$

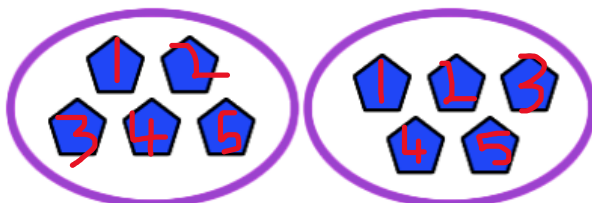


4a

$$6 \div 3 = \underline{2}$$



$$10 \div 2 = \underline{5}$$



4b

Share **20 sweets** amongst **4 people**.

$$20 \div 4 = 5$$



a) 4 sweets **b) 5 sweets** c) 20 sweets

4c

Ali bakes **12 muffins** for his **3 friends**.
How many muffins do they get each?



$$12 \div 3 = 4$$

4d

Write a **division equation**.



12 altogether
3 groups

a) $12 \div 3 = 4$

b) $4 \div 3 = 12$

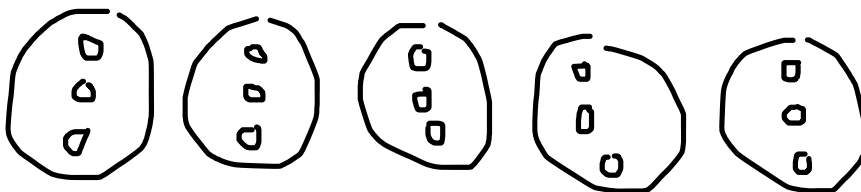
4 in each group

4e

Draw equal groups representation for $15 \div 5$

And find what is $15 \div 5 = 3$

groups



Remember when dividing with equal groups, you put objects in each group one by one until you get to the big number.

ملاحظات لولي الأمر Notes for parents