

Exercise 2.4 page 30

Q 1, 2, 3, 4,

eg. commutativity

$$1 + 2 + 3$$

$$= 2 + 1 + 3$$

$$= 3 + 1 + 2$$

$$= 3 + 2 + 1$$

} addition is commutative

$$+ 3 - \underline{2} = -2 + 3$$

subtraction is commutative.

$$3 \times 5 = 5 \times 3$$

multiplication is commutative

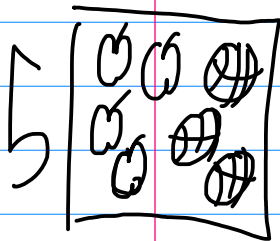
$$\frac{2}{4} = 2 \times \frac{1}{4}$$

Associativity is when you can change how numbers are grouped together.

$$(1+2)+3 = 1+(2+3)$$
$$(3 \times 4) \times 5 = 3 \times (4 \times 5)$$

Distributive property says that multiplication distributes over addition and subtraction

$$2(1+3) = (2 \times 1) + (2 \times 3)$$



$$5(4+3) = (5 \times 4) + (5 \times 3)$$