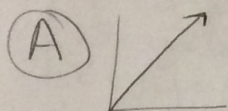
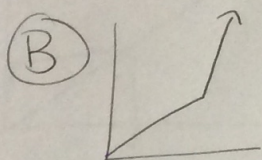


Digits 2.2

① Proportional graphs = straight line & pass through origin



② Not proportional



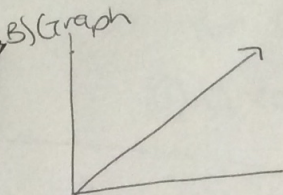
- Not straight but does pass through origin
- Must be both to be proportional.

③ $y = 13x$

A) Make table

x	y
0	0
1	13
2	26
3	39

$y = 13(0)$
 $y = 13(1)$
 $y = 13(2)$
 $y = 13(3)$

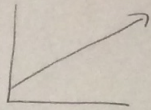


Ⓓ Yes straight line
Yes pass through origin.

④ $y = 6x + 3$

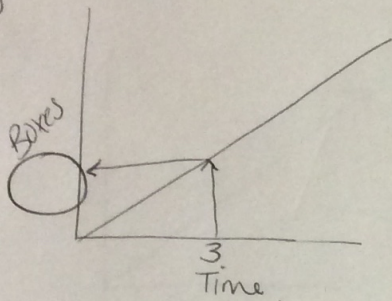
x	y
0	3
1	9
2	15
3	21

$y = 6(0) + 3$
 $y = 6(1) + 3$
 $y = 6(2) + 3$
 $y = 6(3) + 3$



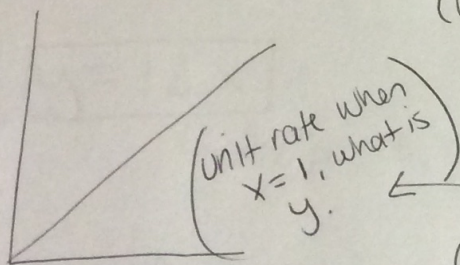
③ Although straight,
DOES NOT pass through
 origin

⑤



135 boxes in
 3 min

⑥



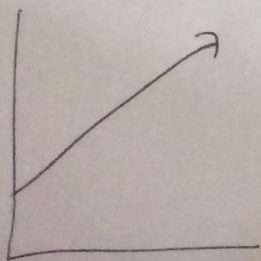
$(0,0) \rightarrow$ ③ Baker needs 0 cups
 for 0 cookies

④ 0 cookies and 0 cups

$(1,17) \rightarrow$ ① unit rate 17 cook / 1 ~~cup~~

② makes 17 cook in 1 ~~cup~~

⑦



③ Although straight line,
 proportional relationships
 are straight & pass through
 origin.

⑧ $y = 11x$

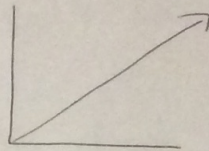
x	y
0	0
1	11
2	22
3	33

$y = 11(0)$

$y = 11(1)$

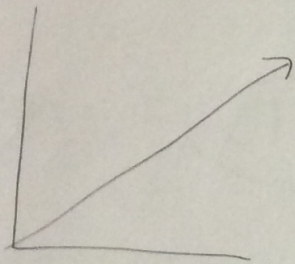
$y = 11(2)$

$y = 11(3)$



Ⓐ yes straight
yes origin

⑨



Ⓑ yes straight,
yes origin

Must be both to =
proportional.

⑩ $y = 12x$

↳ \$12 per ticket.

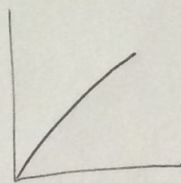
x	y
0	0
1	12
2	24
3	36

$y = 12(0)$

$y = 12(1)$

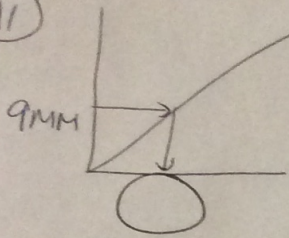
$y = 12(2)$

$y = 12(3)$



Ⓒ yes straight
yes origin

11



$(28, 12) \rightarrow$ © 12mm in 28cm rain

Use graph. Find 9mm on y axis. Move Right to the line & trace down to x axis.

X Marks The Spot!

9mm = 21 cm rain