Word problem – Direct Proportionality

- A cake costs $ _____ , so how much would you pay for the other numbers of cakes?

Cakes	1	2	3	4	10	15	20	30
Cost	20	40	60	80	200	X	X	X

So the constant of direct proportionality is _____ .

* 10 Cakes _____ .   **(Use any of the pairs of numbers in the table.)**

$$\frac{10}{X} = \frac{3}{60}$$

$$X = \frac{10 \times 60}{3}$$

$$x = \frac{600}{3} = \boxed{200}$$

15 Cakes

20 Cakes

30 Cakes