

Quiz

1. (a) $-5/30$ true, because

$$-5 \cdot (-6) = 30$$

↑ integer

(b) $6/15$ false b/c there is no

integer c with $6c = 15$

($c = 2.5$ works, but 2.5 not in \mathbb{Z})

(c) $6/0$ true, $6 \cdot 0 = 0$ ✓

(d) $0/6$ false if $0 \cdot c = 6$,

for some c , then $6 = 0 \cdot c = 0$,
not true.

2. Positive divisors of $54 = 3^3 \cdot 2$.

1 3 9 27

2 6 18 54

(8 of them)