Using Multiplication Facts to Estimate

Estimate each quotient. Show which multiplication facts you used to make your estimates.

Example: $7\overline{)468}$

Think:

7 × ⑤⓪ =	350
7 × 60 =	420
7 × ⑦⓪ =	490

← 468

Answer: The quotient will be at least 60 but less than 70. I used multiples of 10 and 7 × 5, 7 × 6, and 7 × 7. Since 468 is between 7 × 60 = 420 and 7 × 70 = 490.

1. Keenya listed the following quotients to help her solve 384 ÷ 5.

$$5 \times \boxed{50} = 250$$
$$5 \times \boxed{60} = 300$$
$$5 \times \boxed{70} = 350$$
$$5 \times \boxed{80} = 400$$

Write an estimate using her list of multiplication facts.

2. 256 ÷ 4

3. 416 ÷ 5