

Multiplication assignment: basic facts

name: _____

1. a. Explain, using an appropriate, well labelled diagram and sentences, why it makes sense that $3 \times 7 = 3 \times 5 + 3 \times 2$

b. What is the name of this property?

2. Show how to solve 4×6

a. using the strategy that breaks down 4 (the 4's strategy)

b. using the strategy that breaks down 6 (the 6's strategy)

3. Show how to solve 7×9

a. using a strategy for 9's

b. by breaking down 7 into 5 and 2

4. Briefly describe, with an example, the strategy we discussed each of these sets of facts (the strategy that works well for all or most of the facts in that set)

a. $2 \times$

b. $3 \times$

c. $4 \times$

d. $5 \times$ (What would you do for $5 \times$ an even number? What would you do for $5 \times$ an odd number?)

e. $6 \times$

f. $9 \times$ (Explain your favorite version of the 9's trick. Then show how it relates to the $10 \times$ facts)