

6. Use mental math to evaluate.

a) $4 \times 7 - 2 + 1$

b) $4 \times (7 - 2) + 1$

c) $4 \times 7 - (2 - 1)$

d) $4 \times (7 - 2 + 1)$

e) $(4 \times 7 - 2) + 1$

f) $4 \times 7 - (2 + 1)$

Which expressions give the greatest answer?

The least answer?



7. How many different answers can you get by inserting one pair of brackets in this expression?

$$10 + 20 - 12 \div 2 \times 3$$

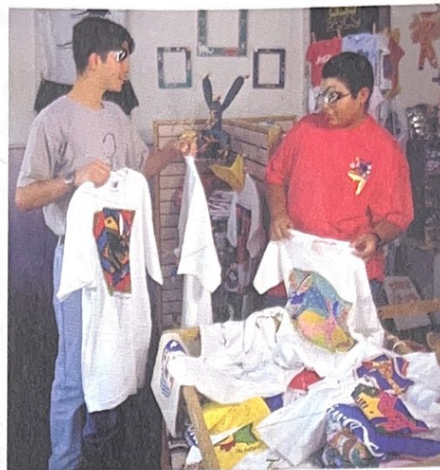
Write each expression, then evaluate it.

8. Use the numbers 2, 3, and 4 and any operations or brackets.
Write an expression that equals each number below.
Try to do this more than one way.

a) 9 b) 10 c) 14 d) 20 e) 6

9. Alexi bought 5 T-shirts for \$12 each and 3 pairs of socks for \$2 a pair.
Which expression shows how much Alexi spent in dollars? How do you know?

a) $5 \times 12 \times 3 \times 2$
b) $5 \times 12 + 3 \times 2$
c) $(5 + 3) \times (12 + 2)$



10. Choose mental math, a calculator, or paper and pencil to evaluate.
For each question, how did you decide which method to use?

a) $238 - (2 \times 73)$ b) $47 \times (16 \times 18)$
c) $(36 + 14) \div 10$ d) $36 \times (48 \times 8)$
e) $60 \times (4 \div 2)$ f) $(200 + 50) \times (9 \div 3)$

11. Monsieur Lefèvre bought 2 boxes of fruit bars for his 3 children.

Each box has 6 fruit bars.

The children shared the fruit bars equally.

How many fruit bars did each child get?

Write an expression to show

the order of operations you used.



12. Copy each number sentence.

Use brackets to make each number sentence true.

a) $36 \div 4 \times 3 = 3$
b) $20 \div 5 \times 2 + 3 = 5$
c) $10 - 4 \div 2 - 1 = 6$
d) $6 \times 2 + 8 \div 4 = 15$

Reflect

Why do we need rules for the order in which we perform operations?
Give examples to support your answer.