

EVALUATE EXPRESSIONS *and* EQUIVALENT EXPRESSIONS

LEVEL 3

Can you ESCAPE?

#1

Which expressions have a value of 15 when $s = 15$?

EXPRESSION 1 $\frac{s}{3} + 10$	EXPRESSION 2 $15,521 \div s$	EXPRESSION 3 $(3,015 \div s) - 186$	EXPRESSION 4 $20s^2 + 30$	EXPRESSION 5 $\frac{2s^2}{5} - 25$
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- 1) Expressions 1 & 2
- 2) Expressions 3, 4, & 5
- 3) Expressions 1 & 3
- 4) Expressions 4 & 5

#2

Which expression is equivalent to $5(4f + 3) - 2f$?

- 1) $18f + 15$
- 2) $18f + 3$
- 3) $7f + 8$
- 4) $2f + 8$

#3

Which expression is equivalent to $60 - 3h - 9$?

- 1) $3(17 - h)$
- 2) $3(20 - h) - 3$
- 3) $17(3 - h)$
- 4) $20(3 - 3h) - 9$

#4

Which expression is equivalent to $4(5x + 3y)$?

- 1) $9x + 3y$
- 2) $9x + 7y$
- 3) $20x + 7y$
- 4) $20x + 12y$

#5

Which quantity could go in the blank to make the equation below true?

$$r + 3r + \underline{\quad} = 6r$$

- 1) 3
- 2) 2
- 3) $3r$
- 4) $2r$