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## **The role of domain-general and domain-specific skills in the identification of arithmetic strategies - Materials for domain-specific tasks.**

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LICENCE

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REPOSITORY RECORD

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Name: \_\_\_\_\_

Instructions:

- This is a multiple choice questionnaire which contains some maths problems. For each question, you must decide which parts of the problem can be calculated first to get the correct answer.
- Note: Please choose the option that contains the calculation, or multiple calculations, that **can** be calculated first to get the correct answer. Each question has **one** 'best' answer.
- For each problem, there will be 4 response options. Only select one option per question.
- Please **do not perform any calculations** - you do not have to perform any calculations to select the correct answer.

1.

$$33 \times 49 - (27 + 14)$$

(a)  $49 - 27$  or  $(27 + 14)$

(b)  $49 - 27$

(c)  $33 \times 49$  or  $49 - 27$

(d)  $(27 + 14)$

2.

$$38 \div 19 + 42 - 29$$

(a)  $38 \div 19$

(b)  $19 + 42$  or  $42 - 29$

(c)  $19 + 42$

(d)  $38 \div 19$  or  $19 + 42$

3.

$$24 - 15 + 33 + 48$$

(a)  $24 + 15$  or  $24 + 33$

(b)  $24 - 15$  or  $33 + 48$

(c)  $15 + 33$

(d)  $24 - 15$

4.

$$42 - 23 + 38 - 19$$

(a)  $42 - 23$  or  $38 - 19$

(b)  $42 + 23$  or  $38 + 19$

(c)  $42 - 23$

(d)  $23 + 38$

5.

$$35 + 43 - 24 \div 12$$

- (a)  $43 - 24$
- (b)  $35 + 43$  or  $43 - 24$
- (c)  $24 \div 12$
- (d)  $43 - 24$  or  $24 \div 12$

6.

$$33 - 16 + 49 - 28$$

- (a)  $33 - 16$
- (b)  $33 - 16$  or  $49 - 28$
- (c)  $16 + 49$
- (d)  $33 + 16$  or  $49 + 28$

7.

$$19 \times (22 + 47) - 32$$

- (a)  $(22 + 47)$  or  $47 - 32$
- (b)  $19 \times 22$  or  $47 - 32$
- (c)  $19 \times 22$
- (d)  $(22 + 47)$

8.

$$27 - 18 + 44 - 35$$

- (a)  $27 + 18$  or  $44 + 35$
- (b)  $18 + 44$
- (c)  $27 - 18$
- (d)  $27 - 18$  or  $44 - 35$

9.

$$38 - 13 + 23 + 42$$

- (a)  $13 + 23$
- (b)  $38 - 13$
- (c)  $38 - 13$  or  $23 + 42$
- (d)  $38 + 13$  or  $38 - 23$

10.

$$45 - 26 \times 17 + 32$$

- (a)  $45 - 26$
- (b)  $26 \times 17$
- (c)  $45 - 26$  or  $17 + 32$
- (d)  $45 - 26$  or  $26 \times 17$

11.

$$46 - 39 + 14 + 22$$

- (a)  $46 - 39$
- (b)  $46 + 39$  or  $46 - 14$
- (c)  $46 - 39$  or  $14 + 22$
- (d)  $39 + 14$

12.

$$(24 + 48) \times 37 - 12$$

- (a)  $(24 + 48)$
- (b)  $48 \times 37$
- (c)  $(24 + 48)$  or  $48 \times 37$
- (d)  $48 \times 37$  or  $37 - 12$

13.

$$43 - 16 + 28 + 39$$

- (a)  $43 - 16$  or  $28 + 39$
- (b)  $16 + 28$
- (c)  $43 + 16$  or  $43 - 28$
- (d)  $43 - 16$

14.

$$36 - 25 + 43 - 17$$

- (a)  $25 + 43$
- (b)  $36 - 25$
- (c)  $36 + 25$  or  $43 + 36$
- (d)  $36 - 25$  or  $43 - 17$