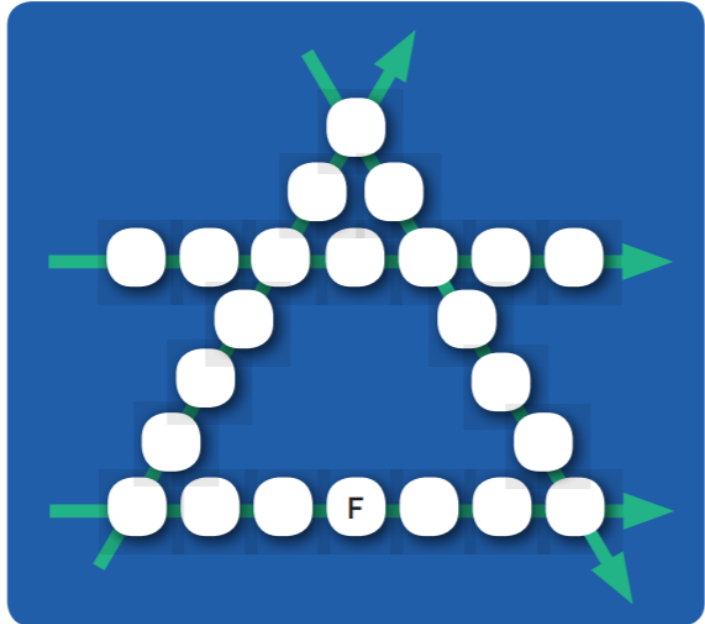
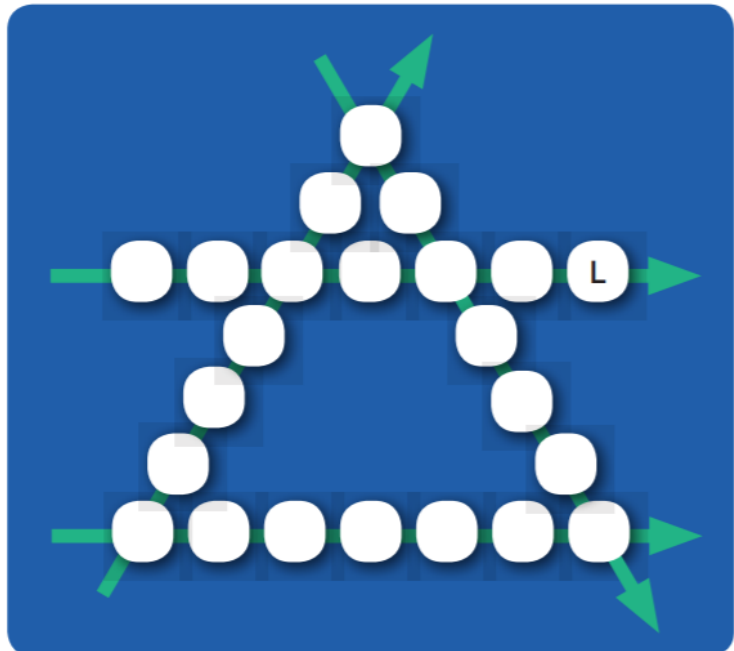


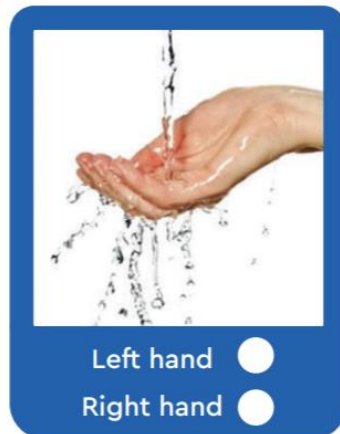
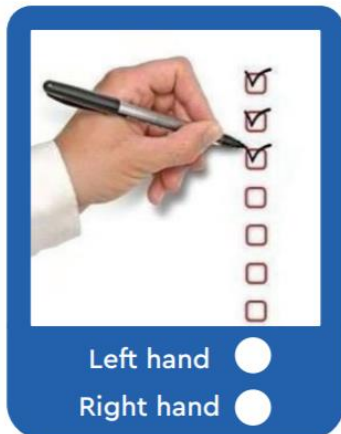
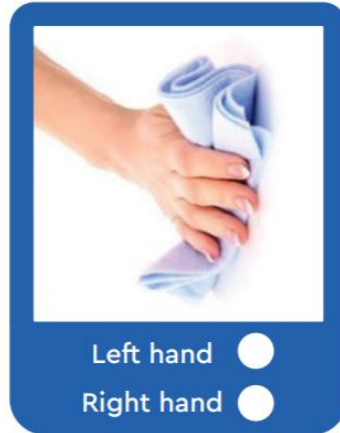
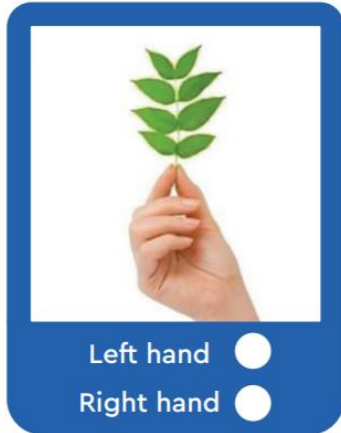
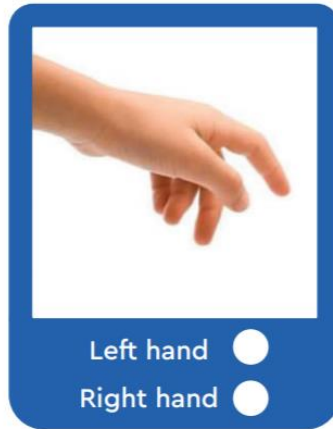
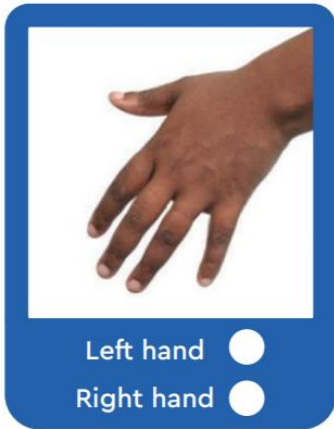
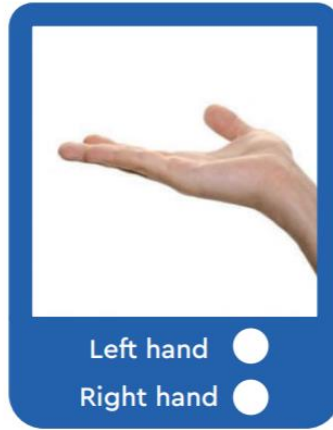
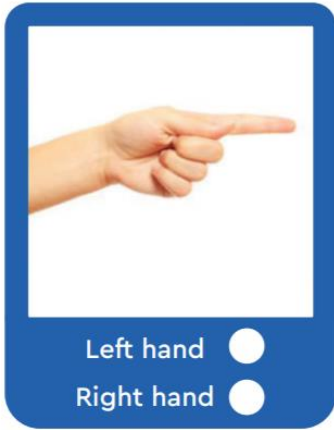
From the list of six words on the left, find which four words can be placed in each matrix in the direction of the arrows to complete the grid.

- CARFARE
- TERRACE
- CASTING
- ORIFICE
- CALORIE
- OSSELET



- BARGAIN
- NATURAL
- NOSTRIL
- SEAGULL
- NEUTRON
- BLOUSON





Palindromes are statements that form the same statement when read forward or backward. Can you circle the palindromes in the list below? All punctuation marks can be ignored.

ANNA	KAYAK
STATS	SAGAS
RACECAR	MAMA
WON IT NOW	RADAR
RIDER	NOON
INVITE	GO DOG
NEVER OR SEVEN	WE ARE FEW
DEE SAW A SEED	MA HAS A HAM
I AM MAD, MADAM	NEVER ODD OR EVEN
STRESSED DESSERTS	AMY MUST I SEE MY MA

Reconstruct the twenty words of two syllables for the theme clothing. Be aware that each syllable listed can only be used once!

hood	dress	ron	sweat	t
waist	er	po	romp	lo
is	ing	trou	khak	ten
suit	ie	coat	tun	jack
ap	a	sun	blaz	jump
ic	er	mit	gos	ie
shirt	bean	car	park	stock
sers	er	track	et	er

Your Words :

.....

.....

.....

.....

---

Using the math problems below, solve what number each image equals.

$$\text{snowman} + \text{snowflake} = 7$$

$$\text{snowflake} + \text{mug} = 12$$

$$\text{snowman} + \text{mouse} = 11$$

$$\text{snowman} + \text{heart} = 5$$

$$\text{heart} + \text{heart} = 6$$

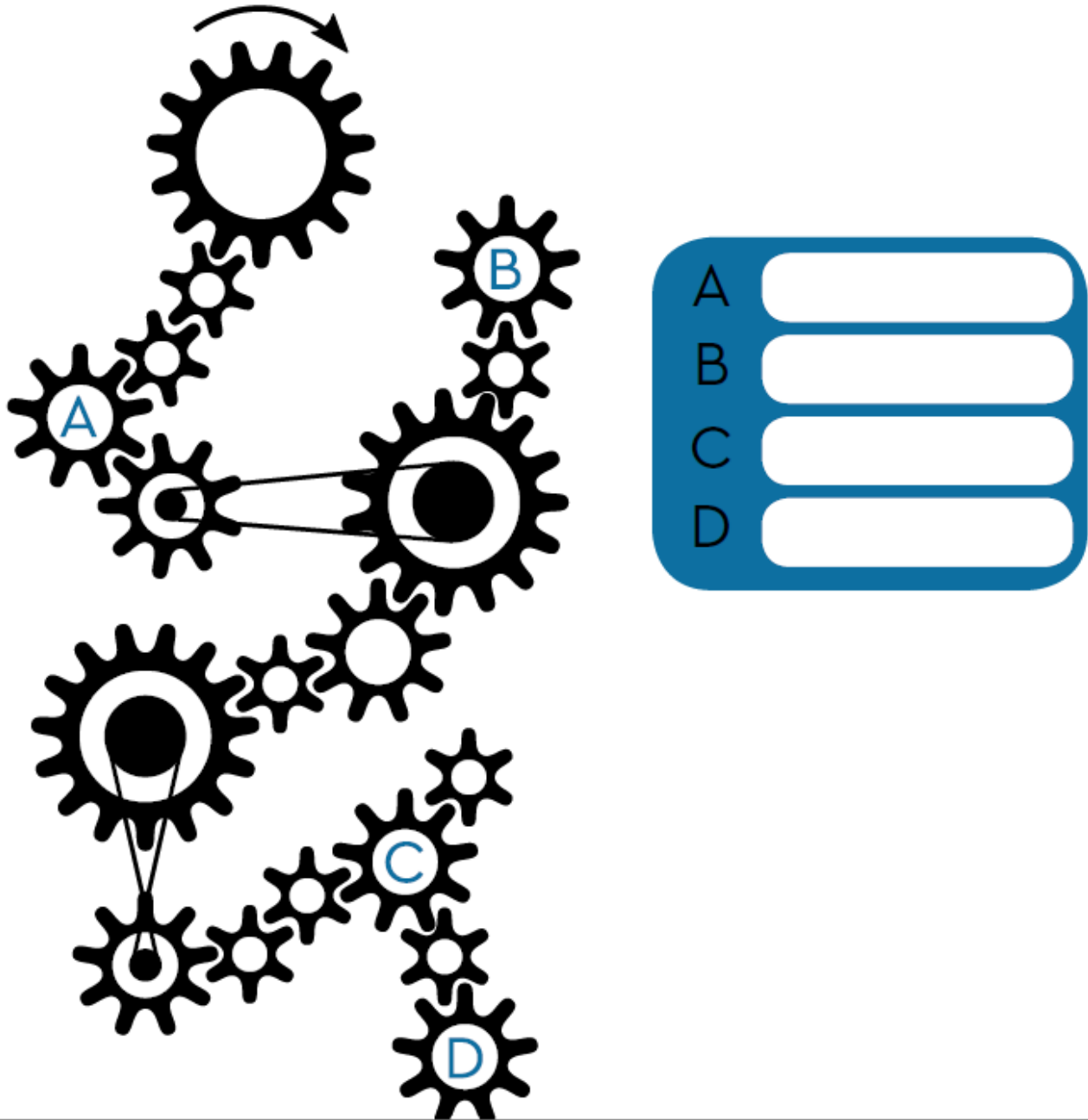
$$\text{mouse} + \text{lightning bolt} = 21$$

$$\text{mug} + \text{ice skate} = 15$$

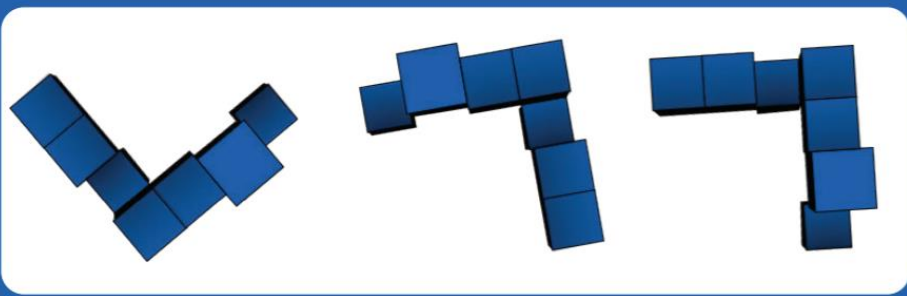
$$\text{lightning bolt} + \text{snowflake} = 17$$

$\text{snowman} = \square$     $\text{snowflake} = \square$     $\text{mug} = \square$     $\text{mouse} = \square$   
 $\text{heart} = \square$     $\text{lightning bolt} = \square$     $\text{ice skate} = \square$

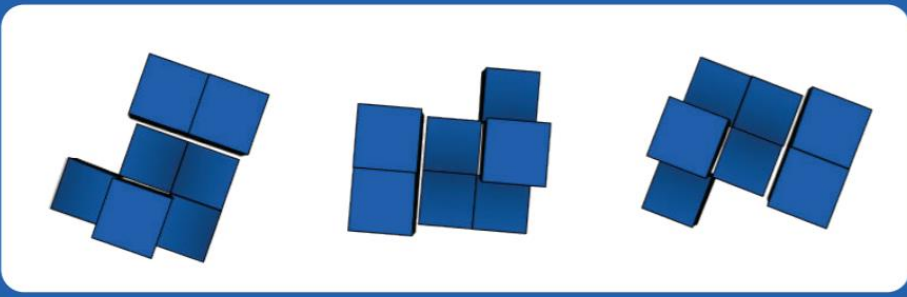
Can you figure out what direction the gears are moving in?  
Studying each gear's movement in relation to the top one, determine if Gear A, B, C, and D are moving clockwise or counterclockwise.




Can you spot which 3D image doesn't match the other two? In each group, mentally rotate the images to see which image doesn't belong.



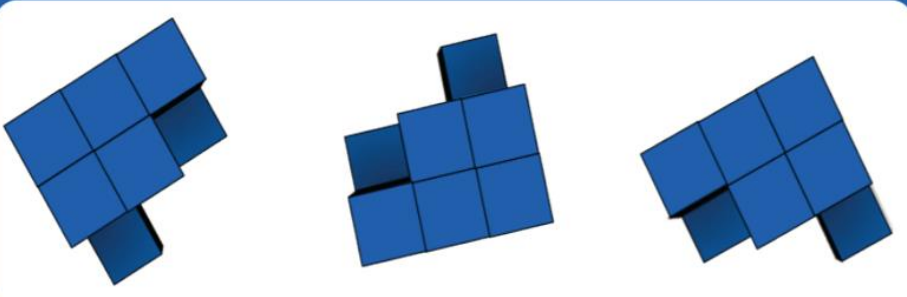
Left  Middle  Right



Left  Middle  Right



Left  Middle  Right



Left  Middle  Right

Based on the information provided, fill in the math problem correctly. You can use addition, subtraction, and division to get to the answer. Parenthesis can also be used to complete the problem. Hint: The smaller circles indicate where an operation should go, and the larger circles show where a number should be placed.

$$\begin{array}{ccccccccc} 5 & \times & \bigcirc & \bigcirc & 6 & = & 29 \\ 5 & \times & \bigcirc & \bigcirc & 6 & = & 30 \\ 5 & \times & \bigcirc & \bigcirc & 6 & = & 31 \end{array}$$

$$\begin{array}{ccccccccc} 5 & \times & \bigcirc & \bigcirc & 4 & = & 29 \\ 5 & \times & \bigcirc & \bigcirc & 4 & = & 30 \\ 5 & \times & \bigcirc & \bigcirc & 4 & = & 31 \end{array}$$

$$\begin{array}{ccccccccc} 3 & \bigcirc & 4 & \bigcirc & 5 & = & 7 \\ 3 & \bigcirc & 4 & \bigcirc & 5 & = & 17 \\ 3 & \bigcirc & 4 & \bigcirc & 5 & = & 27 \end{array}$$



Using the answers given, solve what number each shape represents. Once you have decoded the shapes, solve the last problem in each group.

Hint: You can use a number more than once.

Group 1

$\square + \square = 10$

$\triangle + \square = 12$

$\triangle - \bullet = 3$

$\diamond \times \bullet = 36$

$\diamond - \triangle = ?$

$\square =$        $\triangle =$        $\bullet =$

$\diamond =$        $? =$

Group 2

$\square + \triangle = 8$

$\triangle + \bullet = 7$

$\square \times \square = 9$

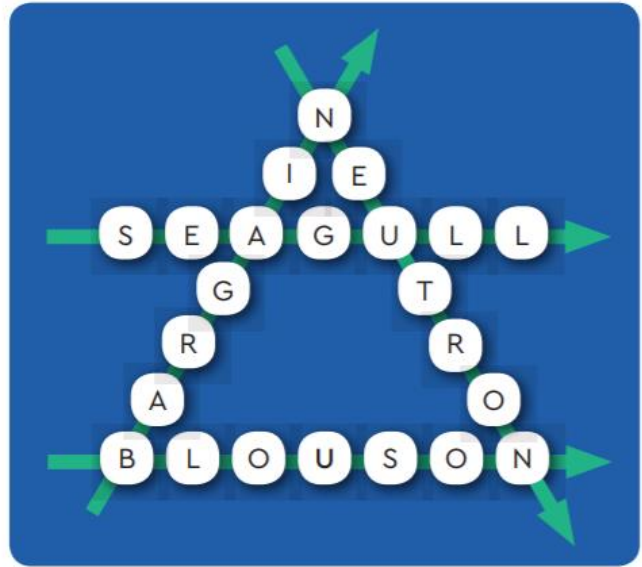
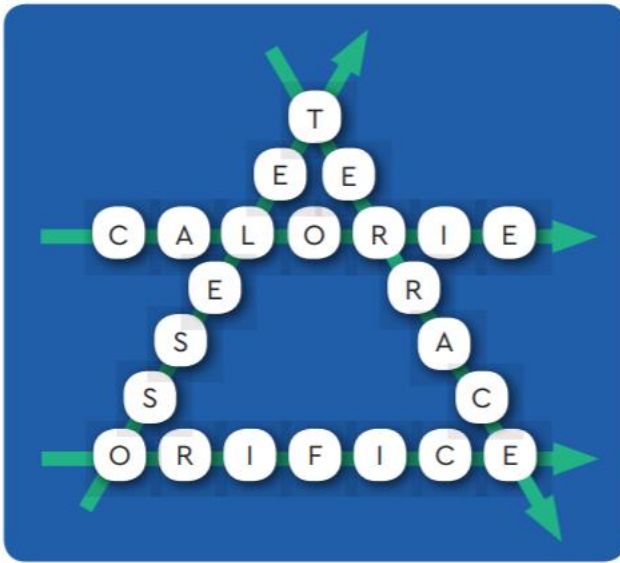
$\diamond \times \bullet = 4$

$\bullet + \diamond = ?$

$\square =$        $\triangle =$        $\bullet =$

$\diamond =$        $? =$

# ANSWERS



**Hands: Left Right**

**Left Left**

**Right Right**

**Left Right**

ANNA	KAYAK
STATS	SAGAS
RACECAR	<del>MAMA</del>
<del>WON IT NOW</del>	RADAR
<del>RIDER</del>	NOON
<del>INVITE</del>	GO DOG
<del>NEVER OR SEVEN</del>	<del>WE ARE FEW</del>
DEE SAW A SEED	MA HAS A HAM
<del>I AM MAD, MADAM</del>	NEVER ODD OR EVEN
STRESSED DESSERTS	<del>AMY MUST I SEE MY MA</del>

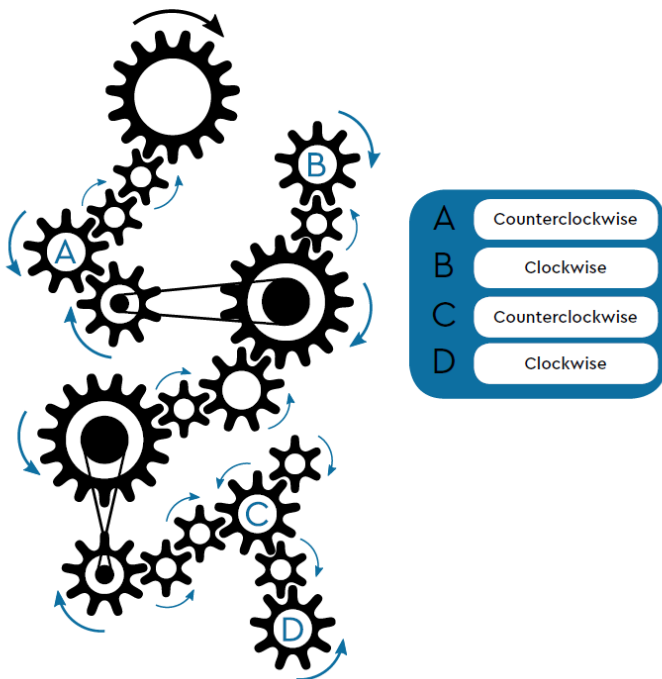
Reconstructed syllables: hoodie, kahkis, beanie, sundress, apron, parka, polo, jacket, stocking, trousers, tracksuit, romper, waistcoat, sweater, tunic, tshirt, jumper, mitten, blazer, cargos

Using the math problems below, solve what number each image equals.

$$\begin{array}{r}
 \text{snowman} + \text{snowflake} = 7 \\
 \text{snowflake} + \text{mug} = 12 \\
 \text{snowman} + \text{mouse} = 11 \\
 \text{snowman} + \text{heart} = 5 \\
 \text{heart} + \text{heart} = 6 \\
 \text{mouse} + \text{lightning bolt} = 21 \\
 \text{mug} + \text{ice skate} = 15 \\
 \text{lightning bolt} + \text{snowflake} = 17
 \end{array}$$

$$\begin{array}{r}
 \text{snowman} = 2 \quad \text{snowflake} = 5 \quad \text{mug} = 7 \quad \text{mouse} = 9 \\
 \text{heart} = 3 \quad \text{lightning bolt} = 12 \quad \text{ice skate} = 8
 \end{array}$$

SOLUTIONS



# 3D Shapes, odd one out: Right, Left, Middle, Right

$$\begin{array}{l} 5 \times 7 - 6 = 29 \\ 5 \times 1 \times 6 = 30 \\ 5 \times 5 + 6 = 31 \end{array}$$

$$\begin{array}{l} 5 \times 5 + 4 = 29 \\ 5 \times (2 + 4) = 30 \\ 5 \times 7 - 4 = 31 \end{array}$$

$$\begin{array}{l} 3 \times 4 - 5 = 7 \\ 3 \times 4 + 5 = 17 \\ 3 \times (4 + 5) = 27 \end{array}$$

Group 1

$$\begin{array}{l} \square + \square = 10 \\ \triangle + \square = 12 \\ \triangle - \bullet = 3 \\ \diamond \times \bullet = 36 \\ \diamond - \triangle = ? \end{array}$$

$$\begin{array}{l} \square = 5 \quad \triangle = 7 \quad \bullet = 4 \\ \diamond = 9 \quad ? = 2 \end{array}$$

Group 2

$$\begin{array}{l} \square + \triangle = 8 \\ \triangle + \bullet = 7 \\ \square \times \square = 9 \\ \diamond \times \bullet = 4 \\ \bullet + \diamond = ? \end{array}$$

$$\begin{array}{l} \square = 3 \quad \triangle = 5 \quad \bullet = 2 \\ \diamond = 2 \quad ? = 4 \end{array}$$