

Name _____

CC.3.OA.6 Understand division as an unknown-factor problem.

1. Andy keeps his 36 DVDs in equal numbers on 4 shelves. Which multiplication sentence can be used to show the number of DVDs on each shelf?

- A** $4 \times 36 = \blacksquare$
B $\blacksquare \times 36 = 4$
C $36 \times \blacksquare = 9$
D $4 \times \blacksquare = 36$

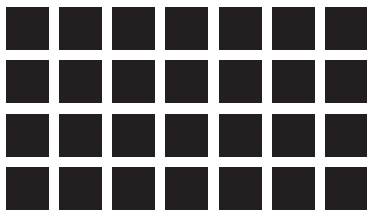
2. Which number makes both number sentences true?

$$42 \div \blacksquare = 6$$

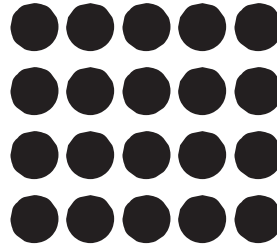
$$6 \times \blacksquare = 42$$

- A** 5
B 6
C 7
D 8

3. Write a division sentence to match the picture.



4. Which number correctly completes both number sentences?



$$4 \text{ rows of } \blacksquare = 20$$

$$20 \div 4 = \blacksquare$$

- A** 4
B 5
C 16
D 24

5. Darlene baked 24 corn muffins, and put 6 muffins on each tray. Which multiplication sentence can be used to show the number of trays Darlene used?

- A** $4 \times \blacksquare = 24$
B $4 \times \blacksquare = 20$
C $6 \times \blacksquare = 24$
D $6 \times \blacksquare = 36$

6. Write a multiplication sentence that could be used to find the quotient $81 \div 9$.

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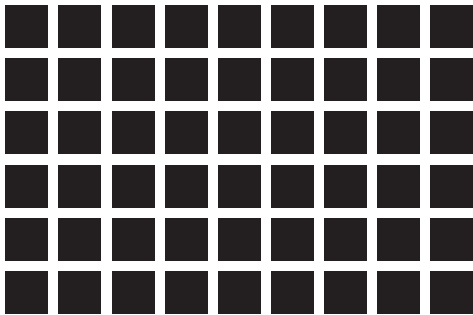
7. Josh wrote this equation.

$$45 \div \square = 9$$

Which multiplication expression is related to his equation?

- A** 9×6
B 9×5
C 9×4
D 9×3

8. Which pair of number sentences match the picture?



- A** $9 \times 5 = 45$ and $45 \div 5 = 9$
B $6 \times 9 = 54$ and $54 \div 6 = 9$
C $6 + 9 = 15$ and $15 - 9 = 6$
D $5 + 19 = 14$ and $14 - 9 = 5$

9. Write a multiplication sentence that could be used to find the quotient $63 \div 7$.
- _____

10. Micah saves \$8 each week for a video game that costs \$48. Which multiplication sentence can be used to show the number of weeks Micah will need to save his money?

- A** $2 \times \square = 48$
B $4 \times \square = 48$
C $6 \times \square = 48$
D $8 \times \square = 48$

11. Karla has 32 green apples. She wants to put 8 each in baskets. She uses the equation below to find the number of baskets she will need.

$$32 \div 8 = \square$$

Which number sentence could she also use to find the number of baskets?

- A** $8 \times \square = 32$
B $32 - 8 = \square$
C $32 + 8 = \square$
D $32 \times 8 = \square$

12. What number makes both number sentences true?

$$40 \div 8 = \square$$

$$8 \times \square = 40$$
