

3.OA.B.6

UNDERSTAND DIVISION AS AN UNKNOWN-FACTOR PROBLEM

TASK CARDS



ANSWER SHEET

Name: _____ Date: _____

Card #	Answer	Card #	Answer
1.			
2.			
3.			
4.			
5.			
6.			
7.			

5 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$50 \div \underline{\quad} = 2$ BECAUSE $2 \times \underline{\quad} = 50$

6 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$8 \div \underline{\quad} = 4$ BECAUSE $4 \times \underline{\quad} = 8$

11 DIVISION AS AN UNKNOWN FACTOR

Write two related multiplication and division equations.

$48 \div 8 = \underline{\quad}$

$\underline{\quad} \times 8 = 48$

14 Complete the fact family.

☆☆☆☆☆☆☆☆☆☆

$28 \div 4 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$4 \times 7 = \underline{\quad}$

DIVISION CHALLENGE

Rose has 45 lollipops and she wants to divide them in equal groups. How many groups will she have if there are 5 lollipops in each one?

groups

DIVISION AS AN UNKNOWN FACTOR

30 DIVISION AS AN UNKNOWN FACTOR

Complete the fact family.

$28 \div 4 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$4 \times 7 = \underline{\quad}$

PRINTABLE AND DIGITAL



- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS

25 DIVISION AS AN UNKNOWN FACTOR
What fact is missing from the fact family?
 $20 \div 2 = 10$
 $20 \div 10 = 2$
 $2 \times 10 = 20$
 A. $10 \times 2 = 20$ B. $5 \times 4 = 20$

26 DIVISION AS AN UNKNOWN FACTOR
What fact is missing from the fact family?
 $15 \div 3 = 5$
 $15 \div 5 = 3$
 $3 \times 5 = 15$
 A. $5 \times 3 = 15$ B. $15 \times 1 = 15$

27 DIVISION AS AN UNKNOWN FACTOR
What fact is missing from the fact family?
 $8 \times 9 = 72$

28 DIVISION AS AN UNKNOWN FACTOR
What fact is missing from the fact family?



ANSWER SHEET

Name: _____ Date: _____

Card#	Answer	Card#	Answer
1.		16.	
2.		17.	
3.		18.	
		19.	
		20.	
		21.	
		22.	
		23.	



13 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.
 $32 \div 4 = 8$
 _____ \times _____ = _____
 _____ \times _____ = _____

14 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.
 $6 \div 2 = 3$
 _____ \times _____ = _____
 _____ \times _____ = _____

15 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.
 $48 \div 8 = 6$
 _____ \times _____ = _____
 _____ \times _____ = _____

16 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.
 $33 \div 3 = 11$
 _____ \times _____ = _____
 _____ \times _____ = _____

Ways to Use Task Cards

- 1 Centers
- 2 Scoot: Pass out one card for each student. Set a timer and say, "scoot!" when the timer goes off. Students move seats to the next card. They continue to rotate until they are back at their original seat.
- 3 Scavenger Hunt: Hide cards around the room. Students search for cards and answer them.
- 4 Jenga: Number Jenga blocks. Students stack the blocks, then take turns pulling blocks. Students answer the corresponding number card.
- 5 Whole class practice: Teacher displays card on the projector. Students answer on mini white boards.
- 6 Exit Tickets: Give each student a task card at the end of the lesson. Have them answer on a sticky note.



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE

1 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$35 \div \underline{\quad} = 5$ BECAUSE $5 \times \underline{\quad}$

21 DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?

$24 \div 6 = 4$

22 DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?

$16 \div 2 = 8$
 $16 \div 8 = 2$
 $2 \times 8 = 16$

A. $4 \times 4 = 16$

B. $8 \times 2 = 16$

3 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$\underline{\quad} \times 2 = 14$ BECAUSE $2 \times \underline{\quad}$

INCORRECT

The correct answer is 7.

CONTINUE

DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?

$8 \times 5 = 40$
 $5 \times 8 = 40$
 $40 \div 5 = 8$

$40 \div 2 = 20$

B. $40 \div 8 = 5$



SHUFFLES CARDS, SO STUDENTS CAN PRACTICE MORE THAN ONCE

13 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.
 $32 \div 4 = 8$

14 DIVISION AS AN UNKNOWN FACTOR
Write two related multiplication facts.

ANSWER SHEET

Name: _____

Card#	Answer	Card
1.		
2.		
3.		
4.		

What fact is missing from the fact family?

$7 \times 8 = 56$
 $8 \times 7 = 56$
 $56 \div 7 = 8$

$56 \div 8 = 7$ $56 \div 2 = 28$

AN UNKNOWN FACTOR

What is missing from the fact family?

$16 \div 2 = 8$
 $16 \div 8 = 2$
 $2 \times 8 = 16$

B. $8 \times 2 = 16$

DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$7 \times _ = 70$

DIVISION CHALLENGE

Rose has 45 lollipops and she wants to divide them in equal groups. How many groups will she have if there are 9 lollipops in each one?

groups




- A. $27 \div 3 = 13$
- B. $27 \div 9 = 3$
- A. $40 \div 2 = 20$
- B. 40

STANDARDS ALIGNED

28 DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?



$7 \times 8 = 56$
 $8 \times 7 = 56$
 $56 \div 7 = 8$

A. $56 \div 8 = 7$ B. $56 \div 2 = 28$

15 DIVISION AS AN UNKNOWN FACTOR

Write two related multiplication facts.

$48 \div 8 = 6$

$\underline{\quad} \times \underline{8} = \underline{\quad}$
 $\underline{\quad} \times \underline{6} = \underline{\quad}$


7 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$16 \div \underline{\quad} = 2$ BECAUSE $2 \times \underline{\quad} = 16$

23 DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?



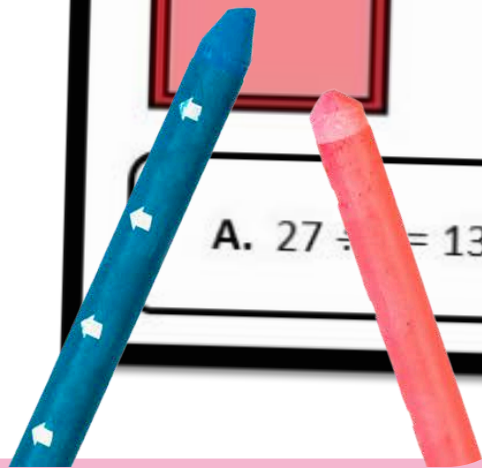
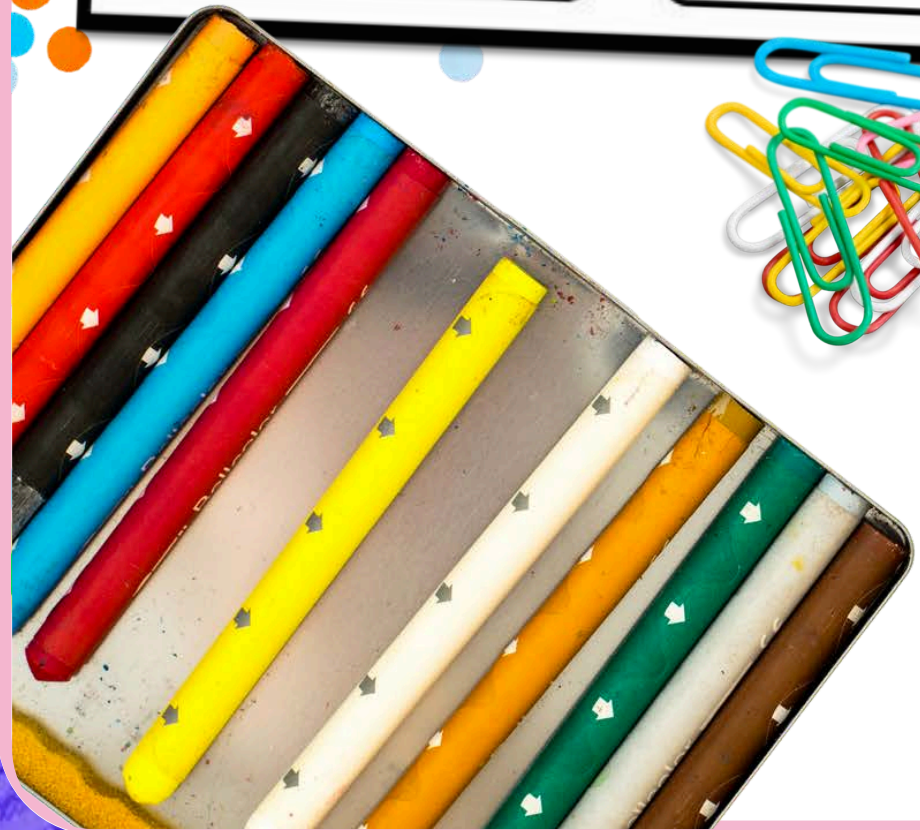
$9 \times 3 = 27$
 $3 \times 9 = 27$
 $27 \div 3 = 9$

A. $27 \div \underline{\quad} = 13$ B. $27 \div 9 = 3$

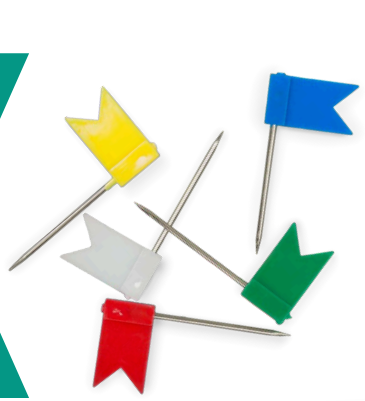
4 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$70 \div \underline{\quad} = 7$ BECAUSE



USE OVER AND OVER FOR CENTERS, GAMES, AND REVIEW



ANSWER SHEET

Name: _____ Date: _____

Card#	Answer	Card#
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		
26.		
27.		
28.		
29.		
30.		

17 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$36 \div 4 = \underline{\quad}$

$4 \times \underline{\quad}$ equals 36

A. 12 B. 9 C. 24

18 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$50 \div 10 = \underline{\quad}$

$10 \times \underline{\quad}$ equals 50

A. 5 B. 10 C. 25

6 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$8 \div \underline{\quad} = 4$ BECAUSE $4 \times \underline{\quad} = 8$

8 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$60 \div \underline{\quad} = 6$ BECAUSE $6 \times \underline{\quad} = 60$

3 DIVISION AS AN UNKNOWN FACTOR

What fact is missing from the fact family?

$9 \times 3 = 27$

$3 \times \underline{\quad} = 27$

A. $27 \div 3 = 13$

19 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$48 \div 6 = \underline{\quad}$

$6 \times \underline{\quad}$ equals 48

A. 20 B. 11 C. 8

20 DIVISION AS AN UNKNOWN FACTOR

What is the unknown factor for each pair of equations?

$56 \div 7 = \underline{\quad}$

$7 \times \underline{\quad}$ equals 56

A. 6 B. 8 C. 9

UNKNOWN FACTOR

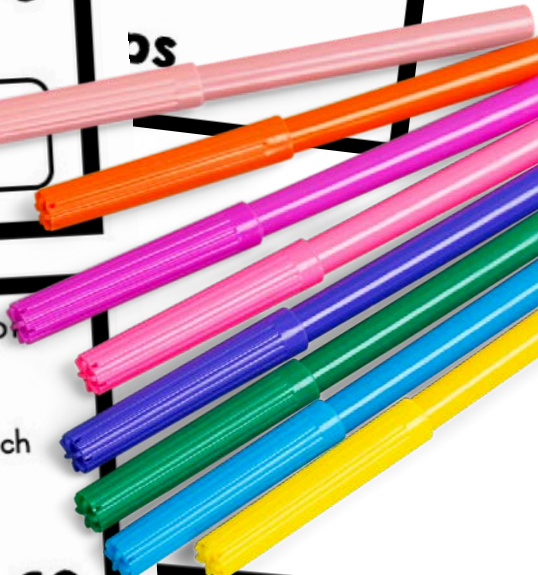
What is the unknown factor for each pair of equations?

$8 \times \underline{\quad} = 56$

$\underline{\quad} \times 7 = 56$

$56 \div 7 = 8$

A. $56 \div 8 = 7$ B. $56 \div 2 = 28$



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