



GRADE 3 / WATCH MR DJ SOLVE

MULTIPLICATION AND DIVISION FACT FLUENCY

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Find 3×4 . Name a strategy you used.**

- 1 Use an array or a known related fact.
- 2 $3 \times 4 = 12$.
- 3 Explain the strategy, then recall the fact.

Answer: **12****REMEMBER** build accurate fact recall from explainable multiplication and division strategies.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 3 / WORKED METHODS

MULTIPLICATION AND DIVISION FACT FLUENCY

Read a complete example before trying the matching method.

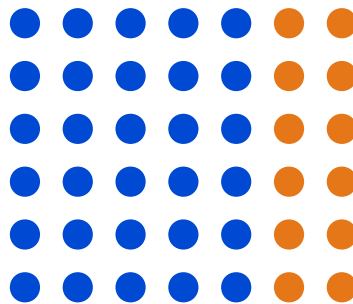


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A nearby fact

$$6 \times 7 = 6 \times 5 + 6 \times 2 = 42$$

1. Recall $6 \times 5 = 30$.
2. Find $6 \times 2 = 12$.
3. Combine $30 + 12 = 42$.



$$6 \times 5 + 6 \times 2 = 42$$



GRADE 3 / WORKED METHODS

MULTIPLICATION AND DIVISION FACT FLUENCY

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A related division fact

$$42 \div 6 = 7$$

1. Recall $6 \times 7 = 42$.
2. Find the missing factor in $6 \times ? = 42$.
3. $42 \div 6 = 7$.

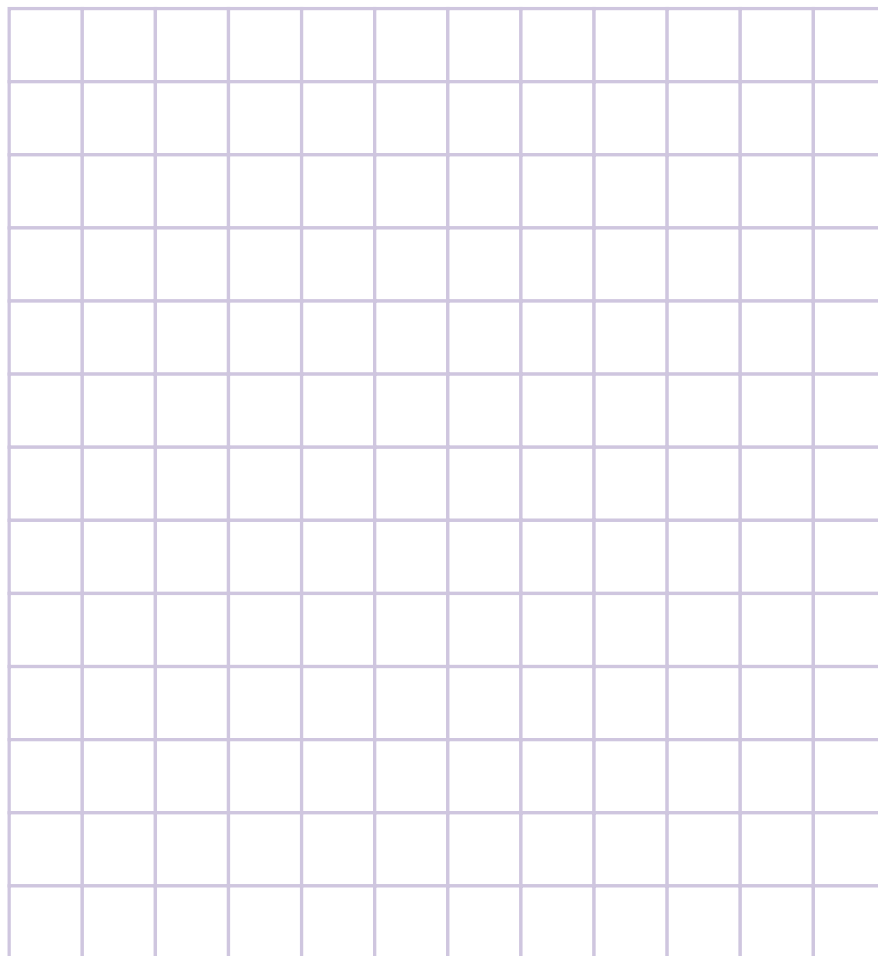
GRADE 3 / MATHEMATICAL WORK TOOL

MULTIPLICATION AND DIVISION FACT FLUENCY

Use labels and a clear scale.



Draw and label a model. Choose what one unit square means.





Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

1. Find $12 \div 3$. Say the related multiplication fact.

2. Find 3×0 and 4×1 . Explain.



Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

👑 Medium 3. Use $3 \times 5 = 15$ to find 3×6 .

Medium 4. Use $3 \times 10 = 30$ to find 3×9 .



Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Medium 5. Build four related facts with 3, 4, 12.

My answer / conclusion: _____



Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

6. Digit knows 3×5 but thinks 3×6 is 1 more. Show the needed increase.

My answer / conclusion: _____



Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Spicy 7. Choose two strategies for 3×8 . Which is easier for you? Explain.

My answer / conclusion: _____



Date _____

MULTIPLICATION AND DIVISION FACT FLUENCY

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Extra Spicy 8. You forget 3×7 . Show how a fact you know can rebuild it.