

Grade 3 · Understanding Division · Test Answer Key

Common Core 3.OA.A.2, 3.OA.A.4, 3.OA.B.6 · mathovore.fr

Use this answer key to score the division test out of 20 points. Each solution shows the division sentence and a multiplication check, followed by the scoring guide. Give partial credit when the method is right but the arithmetic has a small slip.

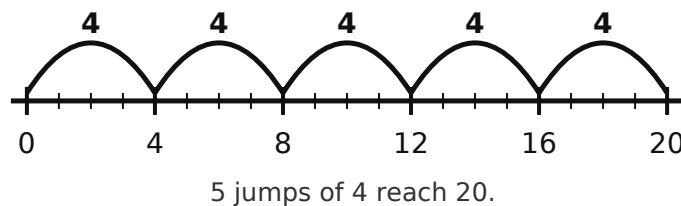
Grade 3 Common Core: 3.OA.A.2 · 3.OA.A.4 · 3.OA.B.6

Question 1: Sharing equally (2 points)

- a. $18 \div 3 = 6$.
- b. 6 berries are on each plate.

Scoring: (a) 1 point for the sentence. (b) 1 point for 6.

Question 2: Making groups (2 points)



- a. 5 jumps of 4 reach 20, so she fills 5 cups.
- b. $20 \div 4 = 5$.

Scoring: (a) 1 point. (b) 1 point.

Question 3: Fact family (2 points)

- a. $7 \times 8 = 56$ and $8 \times 7 = 56$.
- b. $56 \div 7 = 8$ and $56 \div 8 = 7$.

Scoring: (a) 1 point for both facts. (b) 1 point for both facts.

Question 4: Unknown factor (2 points)

- a. $42 \div 6 = 7$, so $n = 7$.
- b. $64 \div 8 = 8$, so $n = 8$.

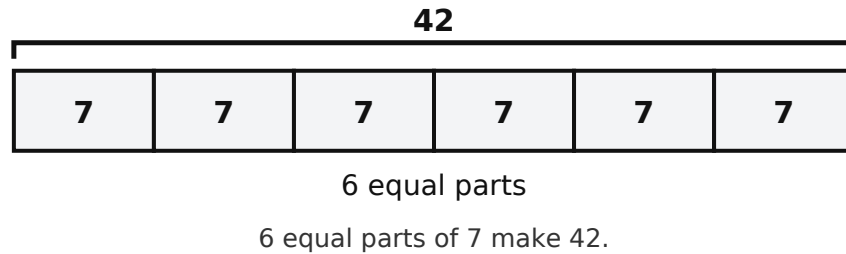
Scoring: (a) 1 point. (b) 1 point.

Question 5: Unknown in division (2 points)

- a. $4 \times n = 36$, so $n = 9$.
b. $5 \times 7 = 35$, so $m = 35$.

Scoring: (a) 1 point. (b) 1 point.

Question 6: Stickers for friends (2 points)



$42 \div 6 = 7$ because $6 \times 7 = 42$.

Each friend gets 7 stickers.

Scoring: 1 point for a correct equation. 1 point for 7 stickers.

Question 7: Ribbon pieces (2 points)

$45 \div 9 = 5$ because $9 \times 5 = 45$.

He cuts 5 pieces.

Scoring: 1 point for a correct equation. 1 point for 5 pieces.

Question 8: Apples in boxes (3 points)

Apples in all: $5 \times 8 = 40$.

Boxes: $40 \div 4 = 10$.

The stand fills 10 boxes.

Scoring: 1 point for 40. 1 point for dividing by 4. 1 point for 10 boxes.

Question 9: Write a story (3 points)

Sample story: Sofia shares 30 grapes equally among 5 friends. How many grapes does each friend get?

$30 \div 5 = 6$. Check: $5 \times 6 = 30$.

Each friend gets 6 grapes.

Scoring: 1 point for a sharing story that uses 30 and 5. 1 point for the quotient 6. 1 point for a correct multiplication check.

Total
20 points