

Grade 3 · Understanding Division · Test

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

Name: _____ Date: ____/____/____ Score: _____

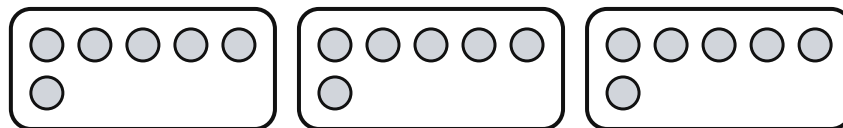
This 45-minute test checks Grade 3 understanding of division (3.OA.A.2, 3.OA.A.4 and 3.OA.B.6). Students share and group objects, use fact families, find unknown numbers and solve word problems. The test has 9 questions worth 20 points in all.

Test information

- **Grade:** Grade 3
- **Chapter:** Understanding Division
- **Common Core:** 3.OA.A.2, 3.OA.A.4, 3.OA.B.6
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts; Question 9: 3 pts)

Question 1: Sharing equally (2 points)

Eighteen berries are shared equally onto 3 plates.



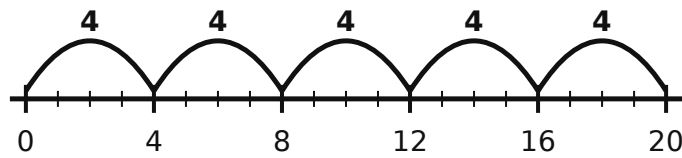
18 items shared equally among 3 groups

18 berries on 3 plates, 6 on each.

- Write a division sentence. (1 point)
- How many berries are on each plate? (1 point)

Question 2: Making groups (2 points)

Mei has 20 pencils. She puts 4 pencils in each cup.

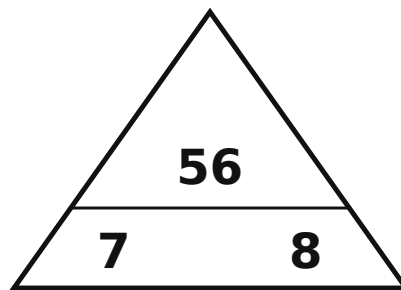


Jumps of 4 on a number line to 20.

- How many cups does she fill? (1 point)
- Write a division sentence. (1 point)

Question 3: Fact family (2 points)

Use the fact triangle.



Fact triangle with 56 at the top and 7 and 8 at the bottom.

- Write two multiplication facts. (1 point)
- Write two division facts. (1 point)

Question 4: Unknown factor (2 points)

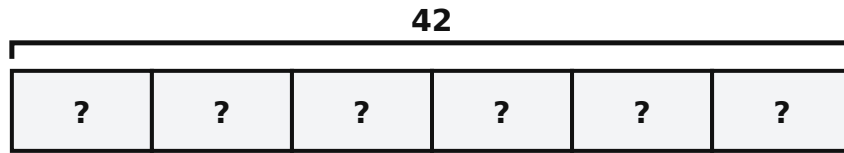
- Find the unknown number: $6 \times n = 42$. (1 point)
- Find the unknown number: $8 \times n = 64$. (1 point)

Question 5: Unknown in division (2 points)

- Find the unknown number: $36 \div n = 4$. (1 point)
- Find the unknown number: $m \div 5 = 7$. (1 point)

Question 6: Stickers for friends (2 points)

Noah shares 42 stickers equally among 6 friends. How many stickers does each friend get?



6 equal parts

A tape diagram with 6 equal parts for a total of 42.

Question 7: Ribbon pieces (2 points)

A ribbon is 45 feet long. Diego cuts it into pieces that are each 9 feet long. How many pieces does he cut?

Question 8: Apples in boxes (3 points)

A farmers market stand has 5 bags with 8 apples in each bag. All the apples are packed into boxes of 4 apples. How many boxes does the stand fill? Show each step.

Question 9: Write a story (3 points)

Write a sharing story for $30 \div 5$. Solve it, then use multiplication to check the answer.