

Multiplication Facts and Properties: math test solutions, Grade 3 – download the PDF

Test solutions with the detailed point scale. Add up your points and spot what to review.

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Facts

/ 4 pts

a) 45. b) 28. c) 24. d) 36. e) 72. f) 18. g) 70. h) 49. ($8 \times 0.5 \text{ pt} = 4 \text{ pts}$)

2 Multiples of 10

/ 3 pts

a) $4 \times 3 = 12$, so 120. (1 pt) b) $6 \times 2 = 12$, so 120. (1 pt) c) $7 \times 5 = 35$, so 350. (1 pt)

3 Distributive property

/ 4 pts

a) $7 \times 6 = 7 \times 5 + 7 \times 1 = 35 + 7 = 42$. (2 pts)

b) $6 \times 9 = 6 \times 5 + 6 \times 4 = 30 + 24 = 54$. (2 pts)

4

Associative property

/ 3 pts

- a) $(3 \times 5) \times 2 = 15 \times 2 = 30$ and $3 \times (5 \times 2) = 3 \times 10 = 30$. They are equal. (2 pts)
- b) $(4 \times 5) \times 6 = 20 \times 6 = 120$. (1 pt)

5

Patterns

/ 3 pts

- a) The missing numbers are 36 and 54. (2 pts)
- b) The two digits of each product add up to 9. (1 pt)

6

Problem solving

/ 3 pts

- a) $8 \times 6 = 48$ markers. (1 pt) b) $4 \times 9 = 36$ crayons. (1 pt) c) $48 + 36 = 84$. There are 84 markers and crayons in all. (1 pt)

**Test yourself: quick challenge for Grade 3**[Change level](#)Level : **Grade 3**

6 random questions, instant feedback.

**Start the challenge****Keep exploring with Zyro**

 Math tests

Multiplication Facts and Properties: math test, Grade 3

 Math lessons

Multiplication Facts and Properties: math lesson, Grade 3

 Math quizzes

Multiplication Facts and Properties: math quiz, Grade 3

 Math tests

Understanding Division: math test, Grade 3

 Math tests

Two-Step Problems and Patterns: math test, Grade 3

 Math lessons

Understanding Division: math lesson, Grade 3

Zyro vous emmène sur nos sites partenaires

Embarquez pour d'autres planètes du savoir et leurs applis.

Décollage