

## KS1 Maths Quiz - Year 2 Calculation - Addition and Subtraction Facts to 20 (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with knowing number facts to 20.

Knowing addition and subtraction facts (or number facts) to 20 by heart means being able to quickly know the pairs of numbers which make a total of twenty, as well as the associated subtraction facts. For example, if you know that  $13 + 7 = 20$ , then you should also recognise that  $20 - 13 = 7$  or  $20 - 7 = 13$ .

1. If you know that  $14 + 6 = 20$ , what else do you know?

- $20 + 14 = 6$
- $20 - 14 = 6$
- $14 - 20 = 6$
- $6 - 14 = 20$

2. Which three pairs of numbers all add up to 20?

- $19 + 1$
- $17 + 3$
- $5 + 15$
- $12 + 9$
- $11 + 7$
- $3 + 16$
- $7 + 20$
- $6 + 12$
- $7 + 19$
- $4 + 12$
- $16 + 8$
- $20 + 1$

3. Which of the following is true?

- $2 + 18 = 20$  so  $20 + 18 = 2$
- $2 + 18 = 20$  so  $18 + 2 = 20$
- $2 + 18 = 20$  so  $20 + 2 = 18$
- $2 + 18 = 20$  so  $18 + 20 = 2$

4. Which 'family' of facts is incorrect?

- $2 + 18 = 20$
- $18 + 2 = 20$
- $20 - 18 = 2$
- $20 - 2 = 18$
- $16 + 5 = 20$
- $5 + 16 = 20$
- $20 - 16 = 5$
- $20 - 5 = 16$
- $5 + 15 = 20$
- $15 + 5 = 20$
- $20 - 5 = 15$
- $20 - 15 = 5$
- $10 + 10 = 20$
- $20 - 10 = 10$

5. Which of the following pairs of number do not add up to give 20?

- $9 + 11$
- $2 + 18$
- $16 + 5$
- $20 + 0$

6. Which number is missing:  $17 + ? = 20$

- 5
- 3
- 7
- 9

7. Which number fact is incorrect?

- $11 + 9 = 20$
- $9 + 11 = 20$
- $20 - 9 = 11$
- $11 - 20 = 9$

8. Which 'family' of facts is incorrect?

- $7 + 13 = 20$   
 $13 + 7 = 20$   
 $20 - 13 = 7$   
 $20 - 7 = 13$
- $8 + 12 = 20$   
 $12 + 8 = 20$   
 $20 - 8 = 12$   
 $20 - 12 = 8$
- $9 + 11 = 20$   
 $11 + 9 = 20$   
 $20 - 11 = 9$   
 $20 - 9 = 11$
- $4 + 14 = 20$   
 $14 + 4 = 20$   
 $20 - 4 = 14$   
 $20 - 14 = 4$

9. Which three other facts go with  $16 + 4 = 20$ ?

- $20 + 16 = 4$   
 $20 + 4 = 16$   
 $16 - 20 = 4$
- $16 - 20 = 4$   
 $4 - 20 = 16$   
 $20 + 16 = 4$
- $4 + 16 = 20$   
 $16 - 4 = 20$   
 $4 - 16 = 20$
- $4 + 16 = 20$   
 $20 - 16 = 4$   
 $20 - 4 = 16$

10. Which of the following is true?

- $12 - 20 = 8$
- $20 - 2 = 18$
- $8 + 20 = 12$
- $18 + 20 = 2$

## KS1 Maths Quiz - Year 2 Calculation - Addition and Subtraction Facts to 20 (Answers)

1. If you know that  $14 + 6 = 20$ , what else do you know?

- $20 + 14 = 6$
- $20 - 14 = 6$
- $14 - 20 = 6$
- $6 - 14 = 20$

You would also know that  $20 - 6 = 14$

2. Which three pairs of numbers all add up to 20?

- $19 + 1$
- $17 + 3$
- $5 + 15$
- $12 + 9$
- $11 + 7$
- $3 + 16$
- $7 + 20$
- $6 + 12$
- $7 + 19$
- $4 + 12$
- $16 + 8$
- $20 + 1$

All the others add up to different numbers

3. Which of the following is true?

- $2 + 18 = 20$  so  $20 + 18 = 2$
- $2 + 18 = 20$  so  $18 + 2 = 20$
- $2 + 18 = 20$  so  $20 + 2 = 18$
- $2 + 18 = 20$  so  $18 + 20 = 2$

Adding the two smaller numbers in any order gives the larger number

4. Which 'family' of facts is incorrect?

- $2 + 18 = 20$
- $18 + 2 = 20$
- $20 - 18 = 2$
- $20 - 2 = 18$
- $16 + 5 = 20$
- $5 + 16 = 20$
- $20 - 16 = 5$
- $20 - 5 = 16$
- $5 + 15 = 20$
- $15 + 5 = 20$
- $20 - 5 = 15$
- $20 - 15 = 5$
- $10 + 10 = 20$
- $20 - 10 = 10$

$16 + 5 = 21$ , not 20 so all the other facts must be incorrect too

5. Which of the following pairs of number do not add up to give 20?

- $9 + 11$
- $2 + 18$
- $16 + 5$
- $20 + 0$

$16 + 5 = 21$

6. Which number is missing:  $17 + ? = 20$

- 5
- 3
- 7
- 9

$17 + 3 = 20$  and so  $3 + 17 = 20$  also

**7. Which number fact is incorrect?**

$11 + 9 = 20$

$9 + 11 = 20$

$20 - 9 = 11$

$11 - 20 = 9$

11 - 20 gives a negative answer of -9!

**8. Which 'family' of facts is incorrect?**

$7 + 13 = 20$

$13 + 7 = 20$

$20 - 13 = 7$

$20 - 7 = 13$

$8 + 12 = 20$

$12 + 8 = 20$

$20 - 8 = 12$

$20 - 12 = 8$

$9 + 11 = 20$

$11 + 9 = 20$

$20 - 11 = 9$

$20 - 9 = 11$

$4 + 14 = 20$

$14 + 4 = 20$

$20 - 4 = 14$

$20 - 14 = 4$

$14 + 4 = 18$ , so all the other facts must be incorrect too

**9. Which three other facts go with  $16 + 4 = 20$ ?**

$20 + 16 = 4$

$20 + 4 = 16$

$16 - 20 = 4$

$16 - 20 = 4$

$4 - 20 = 16$

$20 + 16 = 4$

$4 + 16 = 20$

$16 - 4 = 20$

$4 - 16 = 20$

$4 + 16 = 20$

$20 - 16 = 4$

$20 - 4 = 16$

For the subtraction facts, the largest number should be at the beginning

**10. Which of the following is true?**

$12 - 20 = 8$

$20 - 2 = 18$

$8 + 20 = 12$

$18 + 20 = 2$

$20 - 18 = 2$  is the other subtraction fact for these numbers