

Maths - Grade 2

Count every day up to 180 in 1s, 2s, 3s, 4s, 5s and 10s forwards and backwards. You can use your number chart to help you.

Worksheets

Counting in 5s.

3 more and 3 less.

Bonds of 17.

Mental maths and symmetry.

Compare numbers to 75.

Addition and subtraction to 75.

Double and half with story sums.

I  Maths!

Counting in 5s

Forwards

| | | | | | | | | | |
|---|----|----|--|--|--|--|--|--|--|
| 5 | 10 | 15 | | | | | | | |
|---|----|----|--|--|--|--|--|--|--|

Backwards

| | | | | | | | | | |
|----|----|----|--|--|--|----|--|--|--|
| 50 | 45 | 40 | | | | 20 | | | |
|----|----|----|--|--|--|----|--|--|--|

Forwards

| | | | | | | | | | |
|----|----|----|--|--|-----|--|-----|--|--|
| 80 | 85 | 90 | | | 105 | | 115 | | |
|----|----|----|--|--|-----|--|-----|--|--|

Backwards

| | | | | | | | | | |
|-----|-----|--|-----|--|-----|-----|--|--|--|
| 160 | 155 | | 145 | | 135 | 130 | | | |
|-----|-----|--|-----|--|-----|-----|--|--|--|

Add

| | | | | | | | | | |
|---|---|----|---|---|---|---|---|---|----|
| + | 1 | 5 | 6 | 4 | 9 | 3 | 7 | 8 | 10 |
| 5 | 6 | 10 | | | | | | | |

Add

| | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|
| + | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 5 | 15 | | | | | | | | |

Add

| | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|
| + | 35 | 20 | 15 | 30 | 65 | 40 | 70 | 53 | 69 |
| 5 | 40 | | | | | | | | |

Subtract

Write the matching minus sum.

| | |
|----|----|
| | |
| 10 | 5 |
| 20 | 15 |
| 17 | |
| 26 | |
| 35 | |
| 44 | |
| 59 | |
| 62 | |
| 75 | |



$10 - 5 = 5$

$20 - 5 = 15$

Complete the table. Start with the number under the star.

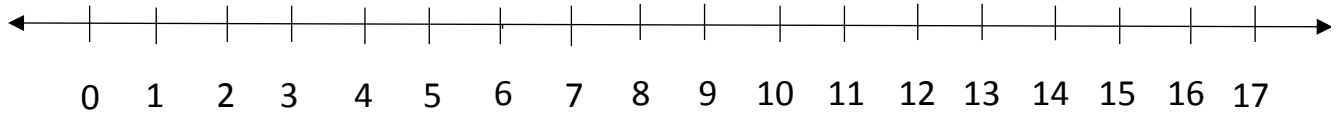
| take away 5 | ☆ | add five |
|-------------|----|----------|
| 5 | 10 | 15 |
| | 16 | |
| | 22 | |
| | 37 | |
| | 45 | |

Complete the number pattern.

| | | | | | | | | | |
|-----|-----|-----|--|-----|-----|--|--|-----|-----|
| 151 | 152 | 153 | | | | | | | 160 |
| | 162 | | | 165 | | | | 169 | |
| 171 | | | | | 176 | | | | 180 |

3 more and 3 less

Start on 0 and jump in 3s on the number line.



Complete.

| | | |
|------------|------------|-------------------------------|
| $10 + 3 =$ | $19 - 3 =$ | $3 = 3 + \underline{\quad}$ |
| $14 + 3 =$ | $27 - 3 =$ | $13 = 10 + \underline{\quad}$ |
| $22 + 3 =$ | $33 - 3 =$ | $23 = 20 + \underline{\quad}$ |
| $35 + 3 =$ | $45 - 3 =$ | $33 = 30 + \underline{\quad}$ |
| $47 + 3 =$ | $54 - 3 =$ | $43 = 40 + \underline{\quad}$ |
| $59 + 3 =$ | $66 - 3 =$ | $53 = \underline{\quad} + 3$ |
| $61 + 3 =$ | $70 - 3 =$ | $63 = \underline{\quad} + 3$ |
| $72 + 3 =$ | $75 - 3 =$ | $73 = \underline{\quad} + 3$ |

3 more than 10 is

3 less than 15 is

3 more than 24 is

3 less than 29 is

3 more than 37 is

3 less than 35 is

3 more than 56 is

3 less than 52 is

3 more than 64 is

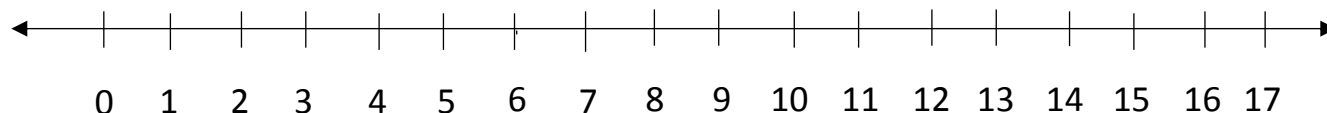
3 less than 73 is

| | | | | | | | | | |
|----|----|----|--|--|----|--|----|--|--|
| 30 | 33 | 36 | | | 45 | | 51 | | |
|----|----|----|--|--|----|--|----|--|--|

Bonds of 17

Please learn the plus and minus bonds of 17
off-by-heart.

Use the number line to help you.



$$0 + 17 = 17$$

$$17 - 17 = 0$$

$$1 + 16 = 17$$

$$17 - 16 = 1$$

$$2 + 15 = 17$$

$$17 - 15 = 2$$

$$3 + 14 = 17$$

$$17 - 14 = 3$$

$$4 + 13 = 17$$

$$17 - 13 = 4$$

$$5 + 12 = 17$$

$$17 - 12 = 5$$

$$6 + 11 = 17$$

$$17 - 11 = 6$$

$$7 + 10 = 17$$

$$17 - 10 = 7$$

$$8 + 9 = 17$$

$$17 - 9 = 8$$

$$9 + 8 = 17$$

$$17 - 8 = 9$$

$$10 + 7 = 17$$

$$17 - 7 = 10$$

$$11 + 6 = 17$$

$$17 - 6 = 11$$

$$12 + 5 = 17$$

$$17 - 5 = 12$$

$$13 + 4 = 17$$

$$17 - 4 = 13$$

$$14 + 3 = 17$$

$$17 - 3 = 14$$

$$15 + 2 = 17$$

$$17 - 2 = 15$$

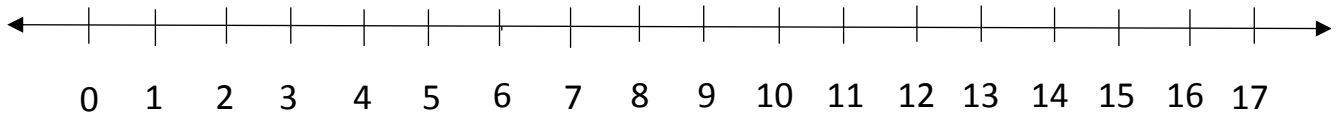
$$16 + 1 = 17$$

$$17 - 1 = 16$$

$$17 + 0 = 17$$

$$17 - 0 = 17$$

Complete these bonds of 17.



$12 + \underline{\quad} = 17$

$17 - 10 = \underline{\quad}$

$6 + \underline{\quad} = 17$

$17 - 2 = \underline{\quad}$

$3 + \underline{\quad} = 17$

$17 - 14 = \underline{\quad}$

$0 + \underline{\quad} = 17$

$17 - 8 = \underline{\quad}$

$9 + \underline{\quad} = 17$

$17 - 0 = \underline{\quad}$

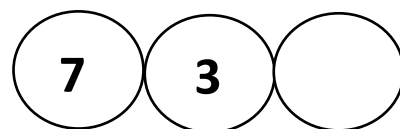
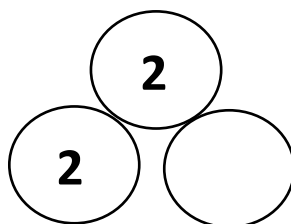
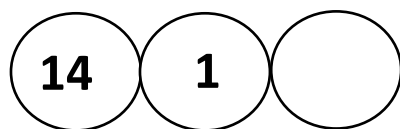
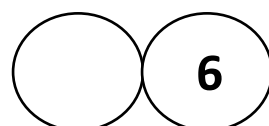
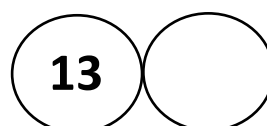
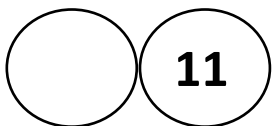
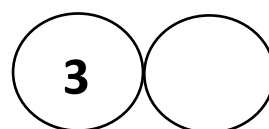
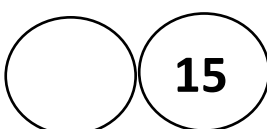
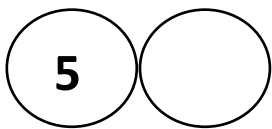
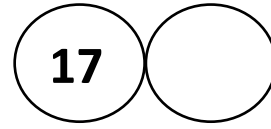
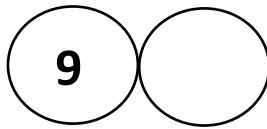
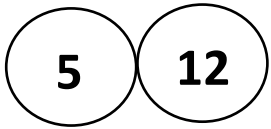
$\underline{\quad} + 15 = 17$

$17 - \underline{\quad} = 11$

$\underline{\quad} + 16 = 17$

$17 - \underline{\quad} = 7$

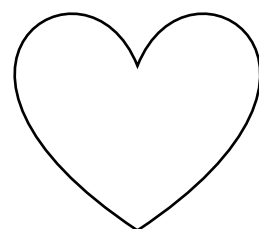
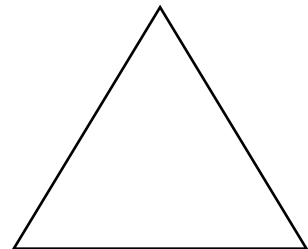
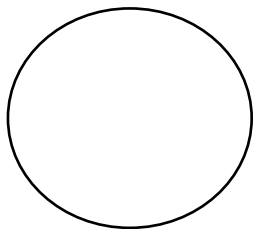
Complete the matching bonds that make 17.



Mental Maths

1. $26 + 3 =$ _____
2. $65 - 2 =$ _____
3. The number that comes after 55 is _____.
4. The number that comes before 40 is _____.
5. The numbers that come between 61 and 65 are _____.
6. How many months are there in 1 year? _____
7. How many months in half a year? _____
8. $10 \times 2 =$ _____
9. $4 \times 5 =$ _____
10. $5 + 5 + 5 + 5 + 5 + 5 =$ _____

Draw a line of symmetry in each of these shapes to show their mirror-image halves. Use a ruler!



Compare and order numbers to 75

| | | | |
|----|----|----|----|
| 52 | 67 | 31 | 75 |
| 10 | 23 | 46 | |
| 18 | 5 | 40 | 58 |

Use the numbers in the box to answer the questions.

Which number comes just before 32? _____

Which number comes just after 74? _____

Which number comes between 57 and 59? _____

Which number is 1 more than 17? _____

Which number is 3 more than 49? _____

Which number is 2 less than 12? _____

Which number is the same as $36 + 10$? _____

Which number is the same as $15 - 10$? _____

Write the numbers in the top row in order
from the smallest to the biggest.

Addition and subtraction to 75

| Addition | Subtraction | Plus or minus? |
|------------|-------------|----------------------|
| $20 + 3 =$ | $42 - 2 =$ | $25 \bigcirc 5 = 20$ |
| $40 + 6 =$ | $74 - 4 =$ | $60 \bigcirc 1 = 61$ |
| $30 + 9 =$ | $26 - 6 =$ | $38 \bigcirc 8 = 30$ |
| $50 + 5 =$ | $51 - 1 =$ | $75 \bigcirc 5 = 70$ |
| $70 + 1 =$ | $67 - 7 =$ | $50 \bigcirc 9 = 59$ |
| $60 + 2 =$ | $33 - 3 =$ | $66 \bigcirc 6 = 60$ |

Join the sum to the correct answer.

$50 + 5 = \underline{\quad}$ $20 + 3 = \underline{\quad}$ $60 + 7 = \underline{\quad}$

67

55

23

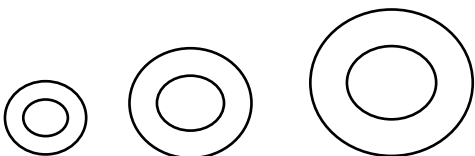
$30 + 1 = \underline{\quad}$ $40 + 9 = \underline{\quad}$ $70 + 4 = \underline{\quad}$

31

74

49

Repeat the pattern and then colour it in.



Double and half

| Double 13 | | | |
|-----------|----|----|---|
| 13 = | 10 | + | 3 |
| Double | 20 | + | 6 |
| Add | = | 26 | |

| Half of 26 | | | |
|------------|----|----|---|
| 26 = | 20 | + | 6 |
| Halve | 10 | + | 3 |
| Add | = | 13 | |

| Double 15 | | | |
|-----------|----|---|---|
| 15 = | 10 | + | 5 |
| Double | | + | |
| Add | = | | |

| Half of 30 | | | |
|------------|----|---|----|
| 30 = | 20 | + | 10 |
| Halve | | + | |
| Add | = | | |

| Double 16 | | | |
|-----------|----|---|---|
| 16 = | 10 | + | 6 |
| Double | | + | |
| Add | = | | |

| Half of 32 | | | |
|------------|----|---|----|
| 32 = | 20 | + | 12 |
| Halve | | + | |
| Add | = | | |

| Double 17 | | | |
|-----------|----|---|---|
| 17 = | 10 | + | 7 |
| Double | | + | |
| Add | = | | |

| Half of 34 | | | |
|------------|----|---|----|
| 34 = | 20 | + | 14 |
| Halve | | + | |
| Add | = | | |

Story sums

If there are 18 logs in a heap, how many logs would there be if there were 2 heaps? Show how you work out the double sum.

Number sentence: Double 18 =

Sum:

| | | | | |
|--------|---|----|---|----|
| 18 | = | 10 | + | 8 |
| Double | | 20 | + | 16 |
| Add | = | 36 | | |

Answer: There would be 36 logs in 2 heaps.

Sam has 2 silkworms. They each lay 14 eggs. How many eggs are there altogether?

Number sentence: _____

Sum:

| | | | | |
|--------|---|--|---|--|
| 14 | = | | + | |
| Double | | | + | |
| Add | = | | | |

Answer: _____

A boy finds 36 nuts. He puts half in a basket and gives the other half to his friend. How many nuts are in the basket?

Number sentence: Half of 36 =

Sum:

| | | | |
|-------|----|----|---|
| 36 = | 30 | + | 6 |
| Halve | 15 | + | 3 |
| Add | = | 18 | |

Answer: There are 18 nuts in the basket.

38 birds are sitting on a wire. Half fly away. How many are left?

Number sentence: _____

Sum:

| | | | |
|-------|---|---|--|
| 38 = | | + | |
| Halve | | + | |
| Add | = | | |

Answer: _____
