

Find the Missing Angle: Subtraction

Grade 5 • Find the other part of an angle

Name: _____ Date: _____

Directions: The whole angle and one part are given. Subtract to find the part marked ?.

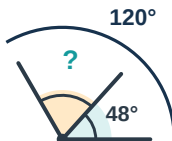
1.



whole 90° , known part 35°

Missing = _____ $^\circ$

2.



whole 120° , known part 48°

Missing = _____ $^\circ$

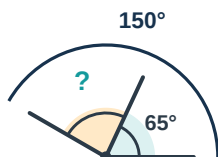
3.



whole 100° , known part 27°

Missing = _____ $^\circ$

4.



whole 150° , known part 65°

Missing = _____ $^\circ$

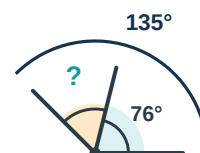
5.



whole 85° , known part 29°

Missing = _____ $^\circ$

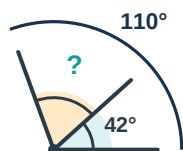
6.



whole 135° , known part 76°

Missing = _____ $^\circ$

7.



whole 110° , known part 42°

Missing = _____ $^\circ$

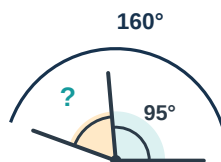
8.



whole 75° , known part 18°

Missing = _____ $^\circ$

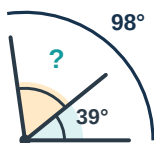
9.



whole 160° , known part 95°

Missing = _____ $^\circ$

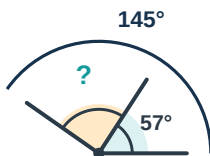
10.



whole 98° , known part 39°

Missing = _____ $^\circ$

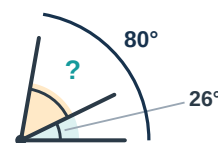
11.



whole 145° , known part 57°

Missing = _____ $^\circ$

12.



whole 80° , known part 26°

Missing = _____ $^\circ$

Remember whole – known part = missing part.

Check it against the picture: the missing part must be smaller than the whole angle.

Answer Key

Find the Missing Angle: Subtraction

Answers

1. $90^\circ - 35^\circ = 55^\circ$
check: $35^\circ + 55^\circ = 90^\circ$

2. $120^\circ - 48^\circ = 72^\circ$
check: $48^\circ + 72^\circ = 120^\circ$

3. $100^\circ - 27^\circ = 73^\circ$
check: $27^\circ + 73^\circ = 100^\circ$

4. $150^\circ - 65^\circ = 85^\circ$
check: $65^\circ + 85^\circ = 150^\circ$

5. $85^\circ - 29^\circ = 56^\circ$
check: $29^\circ + 56^\circ = 85^\circ$

6. $135^\circ - 76^\circ = 59^\circ$
check: $76^\circ + 59^\circ = 135^\circ$

7. $110^\circ - 42^\circ = 68^\circ$
check: $42^\circ + 68^\circ = 110^\circ$

8. $75^\circ - 18^\circ = 57^\circ$
check: $18^\circ + 57^\circ = 75^\circ$

9. $160^\circ - 95^\circ = 65^\circ$
check: $95^\circ + 65^\circ = 160^\circ$

10. $98^\circ - 39^\circ = 59^\circ$
check: $39^\circ + 59^\circ = 98^\circ$

11. $145^\circ - 57^\circ = 88^\circ$
check: $57^\circ + 88^\circ = 145^\circ$

12. $80^\circ - 26^\circ = 54^\circ$
check: $26^\circ + 54^\circ = 80^\circ$

Marking note

A student who adds their answer back to the known part should land on the whole angle. That check is written under each answer above, and it is worth teaching as a habit — it catches a subtraction slip without needing the key.

Items 2, 4, 6, 9 and 11 have a whole angle above 120° , so the missing part is obtuse-looking on the page even when the number is small. Expect those to draw the most wrong guesses.