



Worksheet 33

Year 3 Mathematics — Australian Curriculum v9.0

Subtopic: Compare Angles to Right Angles

Name: _____ Date: _____

Score: _____ / 30

Section 1: Fluency — Spot the Right Angle (Questions 1–10)

Instructions: Circle the shapes that have a Right Angle (Square Corner).

Question 1: Circle the shapes that have at least one right angle.



Square



Circle



Triangle



L-shape



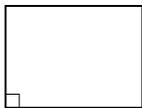
Pentagon

Answer: _____

Question 2: Does a rectangle have right angles? (Yes/No)

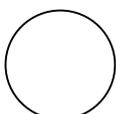
Answer: _____

Question 3: Look at this shape. Does it have a right angle?



Answer: _____

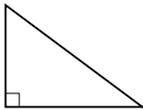
Question 4: Look at this shape. Does it have a right angle?





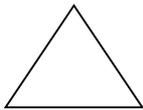
Answer: _____

Question 5: Look at this triangle. Does it have a right angle?



Answer: _____

Question 6: Look at this triangle. Does it have a right angle?



Answer: _____

Question 7: How many right angles does a square have?

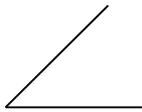
Answer: _____

Question 8: Look at this angle. Is it a right angle?



Answer: _____

Question 9: Look at this angle. Is it a right angle?



Answer: _____

Question 10: Does the corner of a book make a right angle? (Yes/No)

Answer: _____



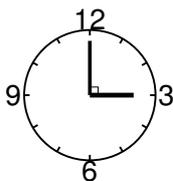
Good Job!

Why is the corner the hottest part of the room? Because it's 90 degrees!

Section 2: Reasoning — Clock Hands (Questions 11–20)

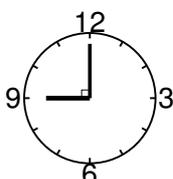
Instructions: Look at each clock. Does it show a right angle? Answer Yes or No.

Question 11: Does this clock show a right angle? (3:00)



Answer: _____

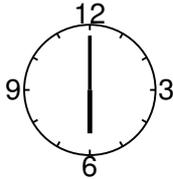
Question 12: Does this clock show a right angle? (9:00)





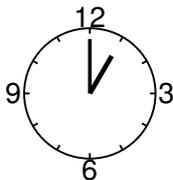
Answer: _____

Question 13: Does this clock show a right angle? (6:00)



Answer: _____

Question 14: Does this clock show a right angle? (1:00)



Answer: _____

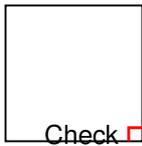
Question 15: At what time does a clock show a right angle between the hands?

Answer: _____

Question 16: Does 12:00 show a right angle? (Yes/No)

Answer: _____

Question 17: Look at this corner. Is it a right angle?



Answer: _____

Question 18: How many right angles are in a rectangle?

Answer: _____

Question 19: Does the letter "L" have a right angle? (Yes/No)

Answer: _____

Question 20: Does the letter "O" have a right angle? (Yes/No)

Answer: _____

Good Job!



What did the right angle say to the other angles? I'm always right!

Section 3: Challenge — Real World Hunt (Questions 21–30)

Instructions: Think about objects around you and answer the questions.

Question 21: List 3 things in your classroom that have a right angle corner.

Answer 1: _____



Answer 2: _____

Answer 3: _____

Question 22: Does the corner of your desk have a right angle? (Yes/No)

Answer: _____

Question 23: Does the corner of a round table have a right angle? (Yes/No)

Answer: _____

Question 24: Name one thing at home that has a right angle.

Answer: _____

Question 25: Does a door frame have right angles? (Yes/No)

Answer: _____

Question 26: Does a basketball have right angles? (Yes/No)

Answer: _____

Question 27: Look at a piece of paper. How many right angles does it have?

Answer: _____



Question 28: Does the corner where two walls meet make a right angle? (Yes/No)

Answer: _____

Question 29: Name something in nature that has a right angle. (This is tricky!)

Answer: _____

Question 30: Draw a right angle below.



Good Job!

Why did the square go to the party? Because it was a right angle to celebrate!

Excellent Work! You've completed Worksheet 33!



Answer Key — Worksheet 33

Year 3 Mathematics

Section 1: Fluency

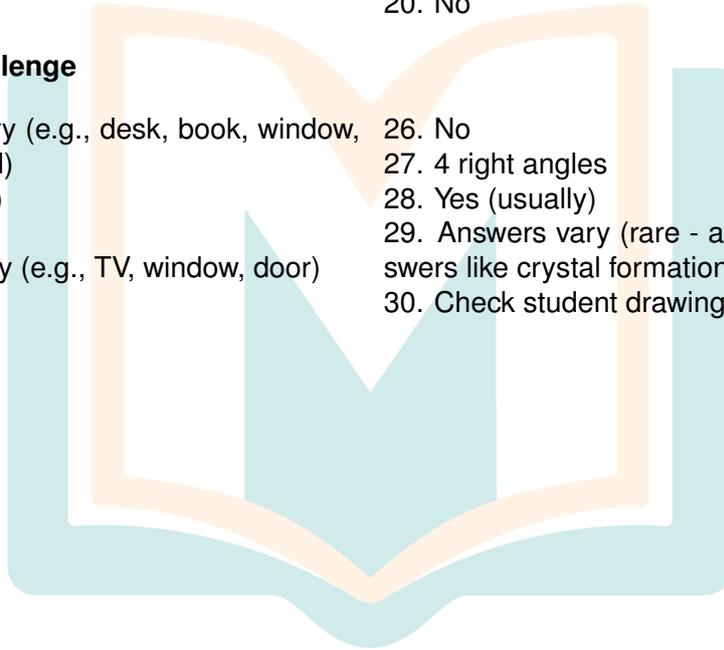
1. Square, Triangle, L-shape
2. Yes
3. Yes
4. No
5. Yes
6. No
7. 4 right angles
8. Yes
9. No
10. Yes

Section 2: Reasoning

11. Yes
12. Yes
13. No
14. No
15. 3:00 or 9:00 (accept both)
16. No
17. Yes
18. 4 right angles
19. Yes
20. No

Section 3: Challenge

21. Answers vary (e.g., desk, book, window, door, whiteboard)
22. Yes (usually)
23. No
24. Answers vary (e.g., TV, window, door)
25. Yes
26. No
27. 4 right angles
28. Yes (usually)
29. Answers vary (rare - accept creative answers like crystal formations)
30. Check student drawing





Worksheet 34

Year 3 Mathematics — Australian Curriculum v9.0

Subtopic: Compare Angles to Right Angles

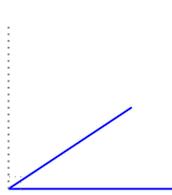
Name: _____ Date: _____

Score: _____ / 30

Section 1: Fluency — Visual Comparison (Questions 1–10)

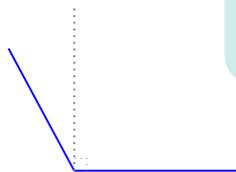
Instructions: Compare each angle to a right angle. Is it smaller or larger?

Question 1: Is this angle smaller or larger than a right angle?



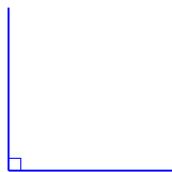
Answer: _____

Question 2: Is this angle smaller or larger than a right angle?



Answer: _____

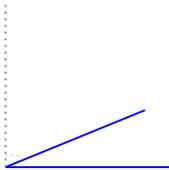
Question 3: Is this angle smaller or larger than a right angle?





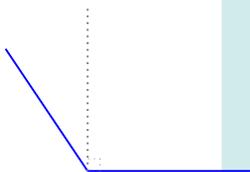
Answer: _____

Question 4: Is this angle smaller or larger than a right angle?



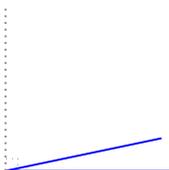
Answer: _____

Question 5: Is this angle smaller or larger than a right angle?



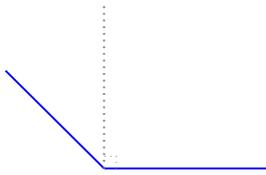
Answer: _____

Question 6: Compare this angle. Smaller, Equal to, or Larger than a right angle?



Answer: _____

Question 7: Compare this angle. Smaller, Equal to, or Larger than a right angle?



Answer: _____

Question 8: An angle that is smaller than a right angle is called what? (Hint: Acute)

Answer: _____

Question 9: An angle that is larger than a right angle is called what? (Hint: Obtuse)

Answer: _____

Question 10: True or False: All angles are right angles.

Answer: _____

Good Job!

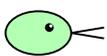


Why was the acute angle always so optimistic? Because it was always less than 90!

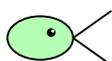
Section 2: Reasoning — "Mouths" Concept (Questions 11–20)

Instructions: Look at the animal mouths. Compare the angle to a right angle.

Question 11: Which animal has a mouth open WIDER than a right angle? Circle A or B.



A

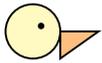


B

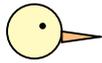


Answer: _____

Question 12: Which bird has a mouth angle SMALLER than a right angle? Circle A or B.



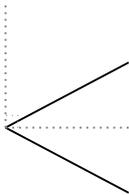
A



B

Answer: _____

Question 13: Look at this angle. Is it smaller or larger than a right angle?



Answer: _____

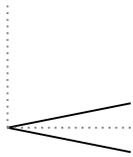
Question 14: A crocodile opens its mouth slightly. Is this angle likely smaller or larger than a right angle?

Answer: _____

Question 15: A crocodile opens its mouth very wide. Is this angle likely smaller or larger than a right angle?

Answer: _____

Question 16: Look at this angle formed by scissors. Smaller or larger than a right angle?



Answer: _____

Question 17: When you open a book just a little, is the angle smaller or larger than a right angle?

Answer: _____

Question 18: When you open a book flat (180 degrees), is this angle larger than a right angle?

Answer: _____

Question 19: A door is half-open. Is the angle likely smaller or larger than a right angle?

Answer: _____

Question 20: Look at your arms. Hold them at a right angle. Now open them wider. Is the new angle larger or smaller than a right angle?

Answer: _____

Good Job!



Why don't crocodiles like right angles? They prefer acute angles—easier to bite!



Section 3: Challenge — Drawing Angles (Questions 21–30)

Instructions: Draw angles as instructed.

Question 21: Draw an angle that is smaller than a right angle.

Question 22: Draw an angle that is larger than a right angle.

Question 23: Draw a right angle. (Don't forget the square corner symbol!)

Question 24: Look around the room. Find and draw an angle you see that is smaller than a right angle.

Question 25: Draw an angle that is almost a straight line. Is it smaller or larger than a right angle?

Answer: _____

Question 26: Draw two lines that meet to form a very small angle (like a closed pair of scissors).



Question 27: True or False: An angle larger than a right angle is called obtuse.

Answer: _____

Question 28: True or False: An angle smaller than a right angle is called acute.

Answer: _____

Question 29: Circle the correct word: A right angle is (smaller / equal to / larger than) 90 degrees.

Answer: _____

Question 30: Challenge: Can you find an angle in your classroom that is exactly a right angle? Describe where it is.

Answer: _____



Good Job!

What's a right angle's favorite temperature? 90 degrees!

Fantastic! You've completed Worksheet 34!



Answer Key — Worksheet 34

Year 3 Mathematics

Section 1: Fluency

1. Smaller
2. Larger
3. Equal to (right angle)
4. Smaller
5. Larger
6. Smaller
7. Larger
8. Acute
9. Obtuse
10. False

Section 2: Reasoning

11. B
12. B
13. Larger
14. Smaller
15. Larger
16. Smaller
17. Smaller
18. Yes
19. Answers vary (likely larger)
20. Larger

Section 3: Challenge

21. Check student drawing (acute angle)
22. Check student drawing (obtuse angle)
23. Check student drawing (right angle with square marker)
24. Check student drawing
25. Larger
26. Check student drawing
27. True
28. True
29. Equal to
30. Answers vary (e.g., corner of desk, door frame, book corner)

