

# $\pi$ Day Scoring Sheet

\_\_\_\_\_ Toolkit Items (5 points total – 1 per item)

\_\_\_\_\_ Handout: “Happy  $\pi$  Day!” — Find the Area of a Circle *two* ways (10 points total)

- Area of a Circle using  $\pi$  (2 points)
- Explanation (2 points)
- Area of a Circle *not* using  $\pi$  (2 points)
- Explanation (2 points)
- “How close are the two calculations?” with explanation (2 points)

\_\_\_\_\_ Approximations of  $\pi$  (1 *extra credit* point for each correct/reasonable answer)

- Decimal approximation #1
- Decimal approximation #2
- Fractional approximation #1
- Fractional approximation #2

\_\_\_\_\_ Mnemonic (1 *extra credit* point for each correct length word until first error)

\_\_\_\_\_ Volume of a spherical object (10 points total)

- Object named (1 point)
- Circumference given (2 point)
- Radius found correctly (3 points)
- Volume formula used correctly (3 points)
- Volume given (1 point)

25 points possible, plus extra credit.

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